PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 28	Viroqua, Wis.	Dec. 16
Jan. 10	Hartford, Conn.	Dec. 2
Jan. 10	Dayton, O.	Dec. 23

SEWERS

Dec. 28	Newark, N. J.	Dec. 23
Jan. 5	Lima, O.	Dec. 2
Jan. 5	Mansfield, O. Adv. Dec. 16 and 23.	Dec. 16
Jan. 11	North Branch, Minn	Dec. 9

BRIDGES

Dec. 28	Wayne, Neb.	Dec. 9
Dec. 28	Wash., D. C.	Dec. 23
Dec. 29	Michigan	Dec. 23
Dec. 30	North Carolina	Dec. 16
Jan. 1	Jena, La.	Dec. 23
Jan. 6	Miami, Fla. Adv. Dec. 2 to 23.	Dec. 2
Jan. 7	Jacksonville, Fla.	Dec. 2
Jan. 10	Ellsworth, Kan.	Dec. 23
Jan. 11	Burlington, Ont.	Dec. 23
Jan. 11	Hamilton, Ont.	Dec. 16
Jan. 17	Burlington, Ia.	Dec. 16
Jan. 28	Missouri	Dec. 23
Feb. 7	Bainbridge, Ga	Nov. 25
Mar. 1	Ontario	Nov. 4

STREETS AND ROADS

Dec. 27	St. George, S. I., N. Y.	Dec. 23
Dec. 28	Brooklyn, N. Y.	Dec. 23
Dec. 28	San Diego, Cal.	Dec. 23
Dec. 28	Santa Ana, Cal.	Dec. 23
Dec. 29	Leavenworth, Kan.	Dec. 9
Dec. 29	Indiana	Dec. 16
Dec. 30	New York, N. Y.	Dec. 23
Dec. 30	Indiana	Dec. 23
Dec. 30	North Carolina	Dec. 16
Dec. 30	Omaha, Neb.	Dec. 23
Jan. 2	Duluth, Minn.	Oct. 28
Jan. 3	La Junta, Col.	Dec. 9
Jan. 3	Indiana	Dec. 16
Jan. 3	St. Paul, Minn.	Dec. 23
Jan. 3	Indiana	Dec. 23
Jan. 3	Louisiana	Dec. 23
Jan. 3	Tyler, Tex.	Dec. 23
Jan. 4	Michigan	Dec. 23
Jan. 4	Indiana	Dec. 23
Jan. 5	Indiana	Dec. 23
Jan. 5	Colorado Springs, Col.	Oct. 21
Jan. 5	Austin, Minn.	Dec. 16
Jan. 6	Missouri	Dec. 9
Jan. 6	Concordia, Kan.	Dec. 16
Jan. 6	San Antonio, Tex.	Dec. 23
Jan. 6	Michigan	Dec. 23
Jan. 7	Michigan	Dec. 23
Jan. 7	Hutchinson, Kan.	Dec. 16
Jan. 7	Concordia, Kan.	Dec. 23
Jan. 10	Ontario	Dec. 23
Jan. 10	Stockton, Kan.	Nov. 18
Jan. 11	Emporia, Kan.	Dec. 16
Jan. 11	Rock Hill, S. C. Adv. Dec. 16 and 23.	Dec. 23
Jan. 12	Florida	Dec. 23
Jan. 15	Nevada	Dec. 9
Jan. 21	Missouri	Dec. 23
Jan. 27	Missouri	Dec. 9
Jan. 28	Missouri	Dec. 23
Feb. 1	Pineville, W. Va.	Dec. 16
Mar. 1	Ontario	Dec. 2
Mar. 30	Westboro, Ont.	Nov. 11

EXCAVATION AND DREDGING

Dec. 28	New York, N. Y.	Dec. 16
Dec. 29	Somerville, Tenn.	Dec. 16
Dec. 29	New York, N. Y.	Dec. 23
Dec. 31	New York, N. Y.	Dec. 23
Jan. 5	Rockwell City Ia.	Dec. 23
Jan. 7	Osage, Ia.	Dec. 23

INDUSTRIAL WORKS

Mar. 1	La Salle Ill	Dec. 23

BUILDINGS

Dec. 27	Boonton, N. J.	Dec. 23
Dec. 28	Wilson, Pa.	Dec. 23
Dec. 30	Pocahontas, Ia.	Dec. 9
Dec. 31	Eloise, Mich.	Dec. 16
Dec. 31	Chicago, Ill.	Dec. 23
Jan. 1	Marietta, O.	Nov. 25
Jan. 1	Chicago, Ill.	Nov. 18
Jan. 1	Little Rock, Ark.	Nov. 25
Jan. 1	Chicago, Ill.	Nov. 25
Jan. 1	Springfield, Mo.	Dec. 2
Jan. 1	Springfield, Mo.	Dec. 9
Jan. 2	Duluth, Minn.	Oct. 21
Jan. 2	Duluth, Minn.	Nov. 25
Jan. 2	Duluth, Minn.	Oct. 28
Jan. 2	Cortland, N. Y.	Oct. 21
Jan. 2	Hibbing, Minn.	Nov. 4
Jan. 2	Aitkin, Minn.	Nov. 11
Jan. 2	Webster, Wis.	Nov. 11
Jan. 2	Jamestown, N. D.	Dec. 2
Jan. 2	Ft. Collins, Col.	Dec. 9
Jan. 2	Aitkin, Minn.	Dec. 9
Jan. 3	Ft. Meyers, Fla.	Dec. 9
Jan. 3	Pontiac, Mich.	Dec. 9
Jan. 3	Bristol, Va.	Dec. 23
Jan. 4	Greeley, Col.	Nov. 25
Jan. 4	Emporia, Kan.	Dec. 2
Jan. 4	Union Grove, Wis.	Dec. 2
Jan. 10	Cleveland, O.	Dec. 23
Jan. 15	Fergus Falls, Minn.	Dec. 9
Jan. 15	Orange, Conn.	Dec. 23
Jan. 15	Evansville, Ind.	Dec. 23
Jan. 15	Iron Belt, Wis.	Dec. 9
Jan. 15	Prince Frederick, Md.	Dec. 9
Jan. 15	St. Louis, Mo.	Dec. 9
Jan. 17	Spooner, Wis.	Dec. 16
Jan. 19	Buffalo, N. Y. Adv. Dec. 2 to 23.	Dec 2
Jan. 19	Buffalo, N. Y.	Dec. 9
Jan. 20	Lubbock, Tex.	Dec. 16
Jan. 28	Gilmanton, Wis.	Dec. 23
Feb. 15	El Paso, Tex.	Dec. 2
Mar. 1	Duluth, Minn.	Dec. 2
Mar. 15	Pittsburg, Cal.	Dec. 23

FEDERAL GOVERNMENT WORK

Dec. 27	Mailing Vestibule, etc.—Charlotte, N. C.	Dec. 9
Dec. 27	Electric Elevator—Charlotte, N. C.	Dec. 9
Dec. 27	Mailing Vestibule, etc.—Kokomo, Ind.	Dec. 9
Dec. 27	Mezzanine Floor—Decatur, Ill.	Dec. 9
Dec. 27	Magnesite Floors—Cincinnati, O.	Dec. 16
Dec. 28	Boiler and Storage House—Woods Hole, Mass.	Dec. 9
Dec. 28	Mailing Vestibule—Corby, Pa.	Dec. 9
Dec. 28	Mezzanine Floor—Charleston, W. Va.	Dec. 9
Dec. 29	Mezzanine Floor—Beloit, Wis.	Dec. 9
Dec. 29	Torpedo Storage Racks—Spec. 4111 — Alexandria, Va.	Dec. 23
Dec. 29	Improving Boiler Plant — Spec. 4252 — Charleston, S. C.	Dec. 9
Dec. 29	Steam Heating System—Norfolk, Va. Adv. Dec. 16 and 23.	Dec. 16
Dec. 29	Fire Protection System—Bar Harbor, Me.	Dec. 16
Dec. 29	Sub-station for Switchboard—South Charleston, W. Va.	Dec. 16
Dec. 29	Raising Floors—Brooklyn, N. Y.	Dec. 16
Dec. 30	Buildings—Ft. Leavenworth, Kan. Adv. Dec. 16 and 23.	Dec. 23
Dec. 31	Steel Dump Scows—Phila., Pa. Adv. Dec. 2 to 23.	Dec. 9
Jan. 3	Hot Water Piping—Phila., Pa.	Dec. 9
Jan. 5	Concrete Roads, etc.—Spec. 4236—Wash., D. C.	Dec. 16
Jan. 5	Roofing—Spec. 4347—New York, N. Y.	Dec. 23
Jan. 5	Paving, Ducts, etc.—Spec. 4236—Wash., D. C.	Dec. 23
Jan. 5	Buildings and Improvement Spec. 4334—Quantico, Va.	Dec. 23
Jan. 5	Gallery—Knoxville, Pa.	Dec. 23
Jan. 6	Laundry—Stapleton, S. I., N. Y.	Dec. 23
Jan. 7	Repairing Roof — Wash., D. C.	Dec. 23
Jan. 7	Dredging—Norfolk, Va.	Dec. 9
Jan. 7	Fire Service Mains —New Orleans, La.	Dec. 16
Jan. 10	Remodeling Post Office Screen—Alliance, Neb. Adv. Dec. 23.	Dec. 23
Jan. 10	Dredging—New Orleans, La. Adv. Dec. 9 to 23.	Dec 9
Jan. 12	Electric Traveling Bridge Crane—Spec. 4326—Puget Sound, Wash.	Dec. 16
Jan. 17	Dredging—New York, N. Y. Adv. Dec. 16 and 23.	Dec. 16
Mar. 15	Post Office—Joplin, Mo.	Dec. 9

MISCELLANEOUS

Dec. 28	Grease—Washington, D. C.	Dec. 16
Dec. 28	Wharfs and Pier — Phila., Pa.	Dec. 9
Dec. 28	Coal Conveyor—New York, N. Y.	Dec. 23
Dec. 28	Lighting System — Jersey System—Jersey City, N. J.	Dec. 23
Dec. 29	Ferryboat — New York, N. Y.	Dec. 23

Bids Close		See Eng. News-Record
Dec. 30	Coal an Ash Equipment — Milwaukee, Wis.	Dec. 23
Jan. 4	Wall—Seneca Falls, N. Y. Adv. Dec. 9 to 23.	Dec. 9
Jan. 5	Fan, Motor, Heaters, etc.— Dannemora, N. Y. Adv. Dec. 16 and 23.	Dec. 16
Jan. 5	Fender Rack and Ice Breakers — Perth Amboy, N. J. Adv. Dec. 16 and 23.	Dec. 16
Jan. 7	Wharf—Summerville, N. S.	Dec. 23
Jan. 10	Filter Sand — Hartford, Conn.	Dec. 2
Jan. 11	Motors and Pumps—Sacramento, Cal.	Dec. 2
Jan. 18	Engine and Pump—Okeechobee, Fla. Adv. Dec. 16 and 23.	Dec. 16
Jan. 26	Wall—Chesterville, Ont.	Nov. 25

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Mt. Vernon—City having plans prepared for transmission main from reservoir at Hillview to here. About $300,000. Hill & Ferguson, 112 East 19th St., New York City, engr.

N. C., Canton—See "Streets and Roads."

N. C., Newton—Town plans to sell $14,000 bonds Jan. 4 to build waterworks system. D. B. Gaither, clk.

Ky., Ashland—City having plans prepared by Alvord & Burdick, archts., 8 South Dearborn St., Chicago, and receives bids in spring, for installing additional water supply. Bonds for $250,000 voted for project. Noted March 18.

O., Cleveland—See "Sewers."

O., Rock River—Village plans to lay 8,000 ft. 4 in. c.i. water mains in West Lake Rd. E. H. Arnold, Rocky River, engr.

Minn., Cambridge—E. Lindahl, village clk., will probably receive bids in spring for extending water piping about 4,500 ft. About $21,000. Druar & Milinowski, 512 Globe Bldg., St. Paul, engrs.

Minn., Wheaton—City plans to install water pressure system. About $20,000.

Cal., Bakersfield—City election Feb. 8 to vote on $250,000 bonds to build water system for east side. J. A. Hinman, mayor.

Cal., Biggs—City having plans prepared building sanitary sewers, disposal plant and filter beds. About $60,000. C. E. Sloan, Nevada Bank Bldg., San Francisco, engr.

BIDS DESIRED

O., Dayton—Until Jan. 10, by city, building 10,000,000 gal. covered concrete reservoir. About $225,000. F. O. Eichelberger, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Pa., Phila.—Bureau Water Supply, City Hall, let contracts furnishing and installing piping system in Queens Lane pumping system, to Wood & Walcott, Inc., 832 North 13d St., $100,000; laying water pipe in recently improved streets, to A. A. Pastore, 5903 Woodland St., $50,000.

★Mich., Saginaw—City let contract constructing steel pipe lines and river crossing at Holland Ave., to T. A. Gillespie Co., 50 Church St., New York City, $147,290.

★Ia., Newton—City let contract building reservoir, pump house, 2 motor driven centrifugal pumps, etc., to A. Phelps Co., Knoxville, $44,825. Noted Dec. 16.

★Wash., Seattle—City let contract building 2 earth dams, at Swan Lake, (as part of proposed extensions to waterworks system), to Coluccio & Erickson, Ry. Exch. Bldg., $54,954. Noted Dec. 16.

Sewers

PROPOSED WORK

Pa., Easton—City plans to build sewerage system and Sewage disposal plant. About $3,500,000. Hill & Ferguson, 112 East 19th St., New York City, engrs.

S. C., Greenwood—See "Streets and Roads."

Fla., Key West—City having preliminary surveys, plans, specifications and estimates made, and receives bids in about 4 months for complete sewerage system. About $100,000. Ulen Contr. Corp., 120 Bway, New York City, engrs.

Tenn., Nashville—City plans to extend West End and Belmont trunk sewers. Cost $36,500. D. W. Southgate, city engr. Noted Dec. 2.

O., Cleveland—City receives bids in summer building sewer in East 105th St. between Adams and St. Clair Aves. About $149,566. R. Hoffman, 618 City Hall, engr.

O., Cleveland—Roselle Realty Guarantee Co., c/o Wight-O'Rourke Co., engrs., Rose Bldg., plans to build sewers and watermains in Garfield Park allotment. About $60,000.

O., Lima—City having plans prepared building sewage disposal plant. About $1,000,000. Fuller & McClintock, 170 Bway., New York City, engrs.

Minn., Cambridge—E. Lindhal, village clk., will probably receive bids in spring for 20,000 ft. addition to sewerage system. About $38,000. Druar & Milinowski, 512 Globe Bldg., St. Paul, engrs.

Neb., Lincoln—City having plans prepared for building 32,200 ft. 10-15 in. sewers, in College View section. About $40,000. W. S. Scott, Lincoln, engr.

N. D., Carrington—City receives bids in spring building sewage disposal plant. About $15,000. C. C. Carnahan, clk.

Tex., Breckenridge—City voted $250,000 bonds to build sewerage system. Noted Nov. 18.

Cal., Visalia—City voted $55,000 bonds for septic tank, $45,000 for sewer extensions and $10,000 for small concrete bridge and culverts. L. H. Gadsby, city engr.

BIDS DESIRED

N. J., Newark—Until Dec. 28, by Director of Streets & Pub. Impvts., building sewer in Carlsbad Terrace and Cameron Rd., involving 550 ft. 8 in. sewer pipe and 570 ft. 6 in. house connection, etc. T. L. Raymond, City Hall, engr.

D. C., Wash.—Repairing Roof—Until Jan. 7, by Treas. Dept., repairing roof in Bureau Engraving and Printing. J. A. Wetmore, supery. archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Pa., Phila.—City let contract building brick sewer in 59th St. from Springfield to Beaumont Sts., to J. J. McHugh, 1430 South Penn Sq. About $20,000.

O., Bedford—Village received bids building sewer in Bway., involving 3,640 ft. 12 in. vitr. pipe, from Phillips & Bixel, Blackstone Bldg., Cleveland, $25,036; Curro Bros., 12206 Mayfield Rd., Cleveland, $25,340.

★Mich., Detroit—City let contract to Detroit Drainage Constr. Co., Penobscot Bldg., constructing Lateral Sewer 3264, between Fairview, Engel, Marsh and Edlie Aves., $14,000, 3390 between Mitchell, McDougal, Carpenter and Davison Aves., $11,920; 3395 between Jos. Campau, McKay, Davison Aves. and Six Mile Rd. $42,358, 3396 between Lawton, Linwood, Beuna Vista, and Tyler Aves., $10,240; to R. D. Baker, 1454 Penobscot Bldg., 3389 between Linwood, Lasalle and Tuxedo Aves., $4,998.

★Ia., Bellevue—City let contract building 5 mi. sewerage system, to Hammen-Kruse Co., Spencer, 67,305. Noted Nov. 11.

Minn., St. Paul—City received bids building outfall sewerage system in Portland Ave. from Mississippi River, 990 ft. east, from DeGraff-Wolff, 1000 Guardian Life Bldg., $15,560; Feyen Constr. Co., 277 Burgess St., $18,400.

Bridges

PROPOSED WORK

Mass., Boston—City plans to build concrete and steel arch bridge between here and Watertown. About $175,000. A. J. Peters, city engr.

Mass., Boston—City plans to alter and remodel 2 bridges over Charles River. About $550,000. A. J. Peters, city engr.

Mass., Boston—City having sketches made for concrete and steel arched bridge between here and Cambridge, to replace Cottage Farm Bridge. About $750,000. Project will mature in spring. A. J. Peters, city engr.

Md., Baltimore—City plans to build bridges over Pennsylvania R.R. on Calvert, Chase and Biddle Sts. About $350,000. G. Perrin, City Hall, engr.

North Carolina—State Highway Dept., Raleigh, having plans prepared for 6 small rein.-con. bridges, 16-120 ft. long and rein.-con. culverts, on Federal Aid Project 101 B, Randolph Co. About $35,000. S. Fallis, state highway engr.

Ga., Columbus—City plans to build concrete bridge about ½ mile long, over Chattahoochee River. About $200,000.

Georgia—State Highway Dept., Atlanta, plans to build 528 ft. rein.-con. trestle with earth approaches. About $60,000. R. T. Goodwin, Jr., Athens, engr.

Ky., Lexington—City plans to build new steel and concrete viaduct to replace present Ayers Alley Viaduct. W. H. McCorkle, comr. pub. wks.

Missouri—State Highway Dept., Salem, rejected bids received Nov. 19, building rein.-con. superstructures on various stations, cost $13,355; rein.-con. slab superstructure on Sta. 638 plus 18, $2,952; rein.-con. slab superstructures on Sta. 443 plus 75, $3,242. All above on State Aid Project S. 20.11, Dent Co. Noted Dec. 9.

Cal., Los Angeles—City having plans prepared for steel drawbridge over Long Beach Channel. Cost between $300,000 and $100,000. R. W. Stewart, harbor engr.

Cal., Santa Barbara—Santa Barbara Co. plans to build trestle bridge over Santa Maria River, at Sucy Crossing. About $30,000.

BIDS DESIRED

Michigan—Until Dec. 29, by State Highway Dept., Lansing, building Trunk Line Bridge 92, in St. Clair Co., 55 ft. concrete girder supported by rectangular caissons, involving 417.2 cu.yd. concrete.

Kan., Ellsworth—Until Jan. 10, by Clerk Ellsworth Co., building 30 ft. rein.-con. through girder bridge, 20 ft. wide, in Mulberry Twp. and 35 ft. bridge in Langley Twp., involving 419 cu.yd. rein.-con. and 22,856 lb. steel. B. Story, Ellsworth, engr.

Missouri—Until Jan. 28, by State Highway Dept., Caruthersville, building I-beam superstructure over drainage ditch, on Sta. 260 plus 40, involving 84.5 cu.yd. Class C concrete, 470 lb. reinforcing and 11,700 lb. fabricated structural steel, etc., cost $5,596; I-beam superstructure over drainage ditch on Sta. 255 plus 58, 132.2 cu.yd. Class C concrete, 500 lb. reinforcing and 17,200 lb. fabricated structural steel, etc., $8,177; I-beam superstructure, over drainage ditch, on Sta. 0 plus 00, 90.4 cu.yd. Class C concrete, 500 lb. reinforcing and 13,700 lb. fabricated structural steel, etc., $6,090. All above on Federal Aid Project 35, Pemiscot Co.

Cal., San Diego—See "Streets and Roads."

Ont., Burlington—Until Jan. 11, by Dept. Pub. Wks., Ottawa, building 202 ft. superstructure of single leaf Strauss trunnion bascule bridge, 34 ft. wide, over Burlington Channel, here. About $125,000. E. Lafleur, c/o Dept. Pub. Wks., engr. Noted Aug. 12.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Minn., Grand Rapids—Itasca Co. let contracts building Bridges 3358, 3359, 3361, 3362 and 3363, concrete, on State Rd. 9, and Bridge 3303, over Prairie River, State Rd. 9, to Iowa Bridge Co., 317 McKnight Bldg., Minneapolis, cost $50,000 and $30,000 respectively; Bridge 3445 over Lake Pokagama, State Rd. 9, to E. W. Coons Co., 230 Center St., Hibbing, $42,000. Noted Nov. 18 and Dec. 2.

★Kan., Chapman—Dickinson Co. (Abilene) let contract building 150 ft. Marsh Rainbow arch bridge, 18 ft. wide, here, to Koss Constr. Co., 2818 5th St., Des Moines, Ia., $44,017. Noted Dec. 16.

★Kan., Columbus—Cherokee Co. let contract building 2 rein.-con. bridges on Oswego Rd., to Koch & Kost, Joplin, Mo., $17,598. Noted Nov. 11.

★Tex., Laredo—Laredo Bridge Co. let contract building 810 ft. rein.-con. arch bridge 39 ft. wide, over Rio Grande River, to J. De Puy, Bedell Bldg., San Antonio, 287, 390. Noted Nov. 18.

Streets and Roads

PROPOSED WORK

Mass., Boston—City plans to build new roadway and entrances to Franklin Park, at Forest Hills and Morton Sts. About $40,000. J. J. Murphy, 33 Beacon St., engr.

Mass., Boston—City plans to lay concrete walks in and around Boston Common, Boylston and Tremont Sts. About $30,000. J. J. Murphy, 33 Beacon St., archt.

Mass., Dorchester (Boston P. O.)—City plans to build Columbia Rd. between Ed Everett Sq. and Carsen St., bituminous macadam. About $30,000. J. J. Murphy, 33 Beacon St., Boston, engr.

Mass., Jamaica Plain (Boston P. O.)—City plans to build Jamaica Way from Willow Pond Rd. to Moraine St., involving 10,000 sq.yd. bituminous macadam. About $30,000. J. J. Murphy, 33 Beacon St., Boston, engr.

North Carolina — State Highway Comn., Raleigh, having plans prepared clearing, grubbing, grading, draining, top soiling, laying 12-24 in. terra cotta pipe and building one 80 ft. and two 30 ft. rein.-con. bridges on 11 mi. road from Troy, via Briscoe, to Montgomery-Moore Co. line, 18 ft. wide, Federal Aid Project 80 B, Montgomery Co. About $85,000. W. S. Fallis, state highway engr.

N. C., Canton—City voted $65,000 bonds to pave sidewalks, streets and extend waterworks system.

N. C., Greensboro—Guilford Co. voted $2,000,000 bonds to build hard surfaced roads. Noted Nov. 18.

N. C., Louisburg—Harris Twp. plans to sell $50,000 bonds, Jan. 5, to build roads. F. W. Justice chn. Harris Twp. Rd. Comn.

N. C., Washington—City opens bids in January paving 30 blocks.

S. C., Greenwood — City sold $200,000 bonds to pave streets and extend sewerage system.

Fla., Barton — Polk Co. voted $200,000 bonds to build 23 mi. road from Lakeland to Lake Co. line, 16 ft. wide, sheet asphalt with rock base preferred. Brick and block asphalt will also be considered.

Fla., Gainsville—City voted $125,000 bonds to pave about 10 mi. various streets, 20-30 ft. wide brick, aspahlt brick or asphalt. Engineer not selected.

Fla., Key West—Monroe Co. voted $400,000 bonds to pave and build bridges on 11 mi. Overseas Highway, 16 ft. wide, vitr. brick or asphalt.

Fla., Tavares—Lake Co. plans election to vote on $125,000 bond issue to build 17 mi. concrete road from Altoona to Astor, 16 ft. wide. M. P. Phillips, Umatilla, engr.

O., Cleveland—City receives bids in summer grading, draining, curbing and paving Searsdale Ave. between Broadview Rd. to point 1,050 ft. westward, brick on concrete base, cost $28,123; Diana Ave. between East 136th and East 140th Sts., brick on concrete base, $21,628; Florian Ave. between West 117th St. and Parkhurst Drive, brick or bituminous concrete on concrete base, $69,224. R. Hofman, 618 City Hall, engr.

O., Cleveland—City receives bids in summer grading, draining, curbing and paving West 115th St. between Madison and Locust Aves., brick or bituminous concrete on concrete base. About $18,459. R. Hoffman, 618 City Hall, engr.

Wis., Ashland—Ashland Co. plans to improve various roads. About $67,033. W. E. Dillon, comr.

Wis., Balsam Lake—Polk Co. plans to grade and gravel surface various roads. About $21,533. C. Nystrom, comr.

Wis., Barron—Barron Co. plans to improve various roads. About $25,245. E. Gleason, comr.

Wis., Black River Falls—Jackson Co. plans to grade, shale surface and drain various roads. About $45,621. W. Tibbitts, comr.

Wis., Eau Claire—Eau Claire Co. plans to grade, gravel surface and drain various roads. About $36,675. G. Osborne, comr.

Wis., Elkhorn—Walworth Co. plans to concrete surface Whitewater-Janesville Rd., town of Whitewater, cost $16,763; improve Janesville-Milwaukee Rd., Richmond and Sugar Creek, $48,905. H. J. Peters, comr.

Wis., Kenosha — Kenosha Co. plans to build following roads: Sheridan Rd. 15, town of Pleasant Prairie, concrete, cost $1,000; Geneva Rd. 50, Bristol, concrete, $1,575; Milwaukee Rd. 57, Pleasant Prairie, $1,500; Kilbourn Rd. 57, Somers and Paris, concrete, $60,000; Milwaukee Rd. 57, Pleasant Prairie, concrete, $20,000; Geneva Rd. 50, Wheatland, concrete, $20,000; Brighton and Kansasville Rds., Brighton, gravel, $8,018; Silver Lake Rd., Salem, gravel, $7,530; Bassett-Fowers Lake Rd., Randall, gravel, $7,528; total cost $123,076. J. Herzog, comr.

Wis., Kewaunee—Kewaunee Co. plans to grade, gravel surface and build bridges on various roads. About $38,835. M. Shaw, Algoma, comr.

Wis., Merrill—Lincoln Co. plans to grade, gravel surface and drain various roads. About $19,093. H. H. Kuehling, comr.

Wis., Sturgeon Bay—Door Co. plans to gravel surface following roads: Green Bay Rd., cost, $5,718; Sister Bay Rd., $1,507; Gasco Rd., $1,500; Town Line Rd., $1,500; Baileys Harbor Rd., $1,500; Clay Banks Rd., $1,500; Herlache Rd., $1,500; Baileys Harbor Rd., town of Gibraltar, $1,500; West Jacksonport Rd., $1,500; Europe Bay Rd., $1,500; Town Line Rd., Nasewaupee, $1,500; Baileys Harbor Rd., Sevastopol, $1,500; Clay Bank Rd., Sturgeon Bay, $1,500; Chandoir Rd., Union, $1,500; Jackson Harbor Rd., Washington, $1,500; Baileys Harbor Rd., village of Ephraim, $750; Baileys Harbor Rd., Village of Sister Bay, $750; total cost, $22,507. J. M. Laurie, comr.

Wis., Viroqua—Vernon Co. plans to grade and gravel surface various roads. About $24,390. A. Ristow, comr.

Wis., Wausau—Marathon Co. plans to grade and gravel surface various roads. About $45,276. J. H. Vogt, comr.

Wis., Wautoma—Waushara Co. plans to gravel surface various roads, also build concrete roads and bridges in village of Wild Rose. About $22,173. F. Grimm, comr.

Wis., West Bend—Washington Co. plans to grade, concrete surface and drain Trunk Highways 15 and 55, in towns of Jackson, Polk, West Bend, Trenton and Hartford, cost $578,624; also improving West Cedar Lake Rd., here, $4,500; West Cedar Lake Rd., Polk, $2,653; gravel surface roads in town of Germantown, $3,577 and in Jackson, $3,577, total cost, $592,930. C. Johnson, Kewauskum, comr.

Minn., Shapokee—Scott Co. plans to build 6 mi. hard surface road between here and Montgomery. About $150,000. D. Childs, Shakopee, engr.

Kan., Lyons—Rice Co. rejected bids received Nov. 16, paving, grading, building bridges and culverts on 5.022 mi. Federal Aid Project 26. S. Ainsworth, Lyons, engr. Noted Oct. 14.

Mont., Billings—Yellowstone Co. plans to grade and build culverts on 4 mi. Rimrock Scenic Rd. About $15,000. F. E. Williams, aud.

Mo., St. Louis—City plans to widen 15,000 ft. Market St. from 7th to Vandeventer Sts., 100 ft. wide; 1,800 ft. Franklin Ave. from 3rd to 7th Sts., 80 ft. wide; 6,000 ft. Easton Ave. from Leffingwell to Prairie Aves., 80 ft. wide. About $620,000. W. W. Horner, City Hall, engr.

Tex., Breckenridge — City voted $300,000 bonds to pave various streets. Noted Nov. 18.

Tex., Burnet—Burnet Co. having plans prepared clearing, grubbing, surfacing and draining 10 mi. State Highway 36-B from Williamson Co. to point 1 mi. north of Brushy Creek, involving 36,000 lin.ft. road grader work, 23,963 cu.yd. borrow, 3,498 cu. yd. solid and 800 cu.yd. loose rock excav., 362.47 cu.yd. Class "A," 148.3 cu.yd. Class "B" and 12.9 cu.yd. Class "C" concrete, etc. About $55,000. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs.

Ariz., Phoenix—Maricopa Co. election Dec. 30, to vote on $4,500,000 bonds to build new highways. Noted Aug. 12.

Cal., Sausalito—City Trustees plan election to vote on $75,000 bonds to build and improve roads.

BIDS DESIRED

N. Y., Brooklyn—Until Dec. 28, by E. Riegelmann, boro pres., regulating and resurfacing Canarsie Lane from Kings Highway to Glenwood Rd., 16 ft. wide, bituminous macadam.

N. Y., New York—Until Dec. 30 by Park Bd. at office of Dept. Parks, 10th floor, Municipal Bldg., furnishing labor and material for paving walk adjacent to bulkhead on river front of Thomas Jefferson Park, Manhattan Borough, asphalt mastic.

N. Y., S. I. St. George—Until Dec. 27, by C. D. Van Name, pres., Richmond Boro. Boro Hall, building and repairing sidewalks on Richmond Ave. from Richmond Terrace to Staten Island Rapid Transit R.R. tracks.

S. C., Rock Hill—Until Jan. 11, by Mayor and City Council for 120,000 sq.yd. asphalt or other pavement, 90,000 curb and gutter, 25,000 sq.yd. sidewalk, 40,000 cu.yd. grading and 2½ mi. storm drains. G. C. White, Durham, N. C., engr.; advertised in this issue.

Florida—Until Jan. 12 by State Highway Comn., Tallahassee, building 9.55 mi. road between Okeechobee City and St. Lucie Co. line, 16 ft. wide, Okeechobee Co., involving vitr. brick, asphalt, bituminous concrete or bituminous macadam pavement, 57,269 cu.yd. earth excav., 89,242 sq.yd. 8 in. Florida stone base, 59 acres clearing and grubbing, 26,000 ft. Class A bridge timber, etc. About $150,000. C. A. Browne, state highway engr.

Louisiana—Until Jan. 3, by State Highway Dept., Room 332, Maison Blanche Bldg., New Orleans, building 5.91 mi. Sect. A 1 and 15.19 mi. Sect. C, New Orleans-Hammond Highway and 9.24 mi. Sect. B, New Orleans-Mississippi Highway. D. Bule, state highway engr.

Indiana — By Bd. Co. Comrs. building roads in following counties:

Dec. 30, Dubois Co., Jasper, 2.143 mi. macadam roads in Marion Twp. F. J. Seng, aud.

Jan. 3, Clark Co., Jeffersonville, 1.38 mi. W. W. Smith Rd., crushed limestone, Utica Twp.; 10,612 ft. J. E. Long Rd., macadam, Charleston Twp.; 7,165 ft. H. G. Stacy Rd. macadam, Utica Twp. T. L. Stoner, aud.

Jan. 4, Park Co., Rockville, 10,208 ft. M. Teague Rd., gravel, Washington Twp. R. E. Porter, aud.

Montgomery Co., Crawfordsville, 6,600 ft. L. Brookshide et al Rd., gravel, Clark Twp. W. McClelland, aud.

Jan. 5, Shelby Co., Shelbyville, 2,136 ft. M. Burgess Rd., crushed stone, Addison Twp.; 7,800 ft. E. T. Arbuckle Rd., gravel, Union Twp.; 13,680 ft. G. P. Fritts Rd., gravel, Moral Twp. W. W. Leslie, aud.

Michigan—Until Jan. 4, by State Highway Dept. at dist. office, Kalamazoo, grading, draining and surfacing with gravel 4.068 mi. Assessment Dist. Rd. 177, involving 25,595 cu.yd. excav., 38,117 sq.yd gravel, etc. Noted Dec. 16.

Michigan—Until Jan. 4, by State Highway Dept., at office Bd. Rd. Comrs., Newaygo Co. White Cloud, grading and surfacing with gravel 3.006 mi. State Trunk Line Rd. 24-3, involving 28,221 sq.yd. gravel, etc.

Michigan—Until Jan. 7, by State Highway Dept., at office Bd. Rd. Comrs., Livingston Co. (Howell), grading, draining and surfacing with gravel 5.625 mi. State Trunk Line Rd. 65-3, Sect. B, involving 35,678 cu. yd. excav., 52,691 sq.yd. gravel, etc.

Ia., Sibley—Until Jan. 6, by town, for 80,000 yd. paving. R. D. Stewart, clk. Noted Dec. 2.

Minn., St. Paul—Until Jan. 3 by Ramsey Co., paving 28,315 ft. Kohler Rd. to Goose Lake Crossing (part of St. Paul-Duluth Highway), 24 ft. wide, asphaltic concrete on concrete base. About $250,000. Noted Aug. 19.

Kan., Concordia—Until Jan. 7, by Cloud Co., grading, paving and building culverts on 6½ mi. Midland Trail Rd., 18-36 ft. wide, concrete. Tuttle, Ayers & Woodward, 307 Reliance Bldg., Kansas City, Mo., engrs.

Kan., Concordia—Until Jan. 7, by Cloud Co., grading, paving and building culverts on 2.15 mi. Meriden Highway, 20 ft. wide, concrete, brick or gravel. J. F. Wilson, Kansas City, Mo., engr. Noted Nov. 4.

Neb., Omaha — Until Dec. 30, by F. Dewey, clk., Douglas Co., paving 54,912 sq. yd. Lincoln Highway 120; 66,000 sq.yd. Rd. 100; 62,860 sq.yd. Rd. 52; 38,330 sq. yd. Washington Highway Rd. 26; 21,120 sq.yd. Rd. 41; 21,120 sq.yd. Rd. 38; 13,200 sq.yd. Rd. 24 and 26; 52,800 sq.yd. O. L. D. Highway and 14,520 sq.yd. Rd. 34., vitr. brick, asphalt or bitulithic.

Missouri—Until Jan. 21 by State Highway Dept., Bowling Green, building 2.5 mi. Red Ball Route, northward from Bowling Green, State Aid Project S 20.21, Pike Co., involving 22,362 cu.yd. earth and 2,000 cu. yd. solid rock excav., 2,734.9 cu. yd. borrow,

Streets and Roads (Continued)

100 cu.yd. Class B and 6.6 cu.yd. Class C concrete masonry, 8,317 lb. reinforcement for concrete masonry, etc. About $30,939. Noted Dec. 2.

Missouri—Until Jan. 28, by State Highway Dept., Caruthersville, building 5.93 mi. Kings Highway, Federal Aid Project 35, Pemiscot Co., involving 36,564 cu.yd. earth excav., 1,577 cu.yd. borrow, 22,914 cu.yd. per 100 ft. overhaul, 41,156 sq.yd. gravel pavement, 45.5 cu.yd. Class B and 29.2 cu.yd. Class C concrete masonry, 3,160 lb. reinforcement for concrete masonry, etc. About $74,764.

Tex., San Antonio—Until Jan. 6, by Comrs. Bexar Co., grading, surfacing and draining 5.09 mi. State Highway 27, Bandera Rd., involving 23,890 lin.ft. grader work, 5,829 cu.yd. earth excav., 47,910 sq.yd. bituminous macadam, 3,419 lb. reinforcing steel, 5,860 cu.yd. gravel surfacing, 151.5 cu.yd. 1:2:4 and 10.1 cu.yd. 1:2½:5 concrete. About $60,911. C. E. Hoff, co. engr. Noted Nov. 4.

Tex., Tyler—Until Jan. 3, by Comrs. Smith Co., grading, surfacing and building rein.-con. and steel bridges and culverts on 2.66 mi. State Highway 37, involving 245.75 cu.yd. 1:2:4 concrete, etc. About $43,927. D. K. Caldwell, co. engr. Noted Dec. 2.

Cal., San Diego—Until Dec. 28, by Bd. Supervs. San Diego Co., grading, surfacing and building bridges and culverts on 6.147 mi. Mission Rd.

Cal., Santa Ana—Until Dec. 28, by city, resurfacing 9 mi. Garden Grove Ave., West 5th St., Anaheim and Cypress Rds., 2 in. asphalt. J. L. McBride, city engr.

Ontario—Until Jan. 10, by W. A. McLean, minister of highways, Toronto, for following work on Provincial Highways: (1) macadam roadways, Contr. 280, 2½ mi. from Belleville to Shannonville, Contr. 281, Kingston easterly 7.7 mi., Contr. 282, Brockville westerly 4 mi., Contr. 283, 15 mi. from Jarvis to Dunnville, (2) bituminous concrete roadways, Contr. 284, 5.11 mi. from River Rouge to Pickering, Contr. 285, 2 mi. from Kingston to Catarqui, Contr. 286, Ottawa easterly 4 mi., Contr. 287, Dundas Hill northerly 3 mi., Contr. 288, 3 mi. from Clappisons Corners to Blacks Corners, Contr. 289, 4 mi. from York Co. line to Cooksville, Contr. 290, Guelph southerly 2½ mi., Contr. 291, 3 mi. from Stratford to Sebringville, Contr. 292, 3 mi. Caledonia Rd. from Hamilton south, Contr. 293, Ancaster westerly 4 mi., Contr. 294, 1½ mi. from Niagara Falls to Stamford, (3) concrete pavements, Contr. 295, Guelph southerly 2½ mi., Contr. 296 Sarnia easterly 3 mi., Contr. 297, Cainsville easterly 3 mi., Contr. 298, 2½ mi. from London to Crumlin, Contr. 299, 4½ mi. from London to Lambeth, (4) rock and earth work, Contr. 300, Twp of East Flamboro south of Clappisons Corners, Contr. 301, grading in Aldboro Twp., Contr. 302, Nelson Twp., (5) bituminous penetration roadway, Contr. 303, Yonge St. from Newmarket north 2½ mi., Contr. 304, Queenstown Rd. 8 mi. from Stoney Creek to Jordan.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Rhode Island**—State Bd. Pub. Works, State House, Providence, let contract reconstructing section Danielson Pike for distance of 5 mi., bituminous, Town of Scituate to Lane Constr. Co., 37 Colony St., Meriden, Conn., $175,520.

★**North Carolina**—State Highway Comn., Raleigh, let contract improving 8.73 mi. road from Hornet Creek to city limit of Whitakers, 18 ft. wide, Federal Aid Project 73, Nash Co., to Porter & Boyd, Realty Bldg., Charlotte, $145,375. Noted Dec. 2.

★**N. C., Greensboro**—City let contract paving Hillside Dr., Fairmont, Lakeview and Woodlawn Sts., concrete or other hard surface material, to R. G. Lassiter & Co., 327-33 Monticello St., Arcade Bldg., Norfolk, Va. Cost to exceed $100,000. Noted Nov. 27, 1919.

★**South Carolina**—State Highway Comn., Columbia, let contract building 12.722 mi. Columbia-Savannah Highway with necessary bridges between city limits of Orangeburg and station 1187 near Bamberg Co. line, Orangeburg Co., to J. L. Carroll Co., Anderson, $61,189. Work involves 5.8 acres clearing and grubbing, 62,853 cu.yd. common excav., 30,403 cu.yd. sand clay surfacing, 67,000 lin. ft. mixing and shaping sand clay, 96 cu.yd. Class B concrete in headwalls, 141.7 cu.yd. Class A concrete in culverts, 10,582 lb. steel reinforcement, etc. Noted Nov. 18.

★**Ga., Chatsworth**—Murray Co. let contract paving and building 8 concrete culverts on 6.66 mi. Dalton-Chatsworth Rd., Federal Aid Project 178, involving 18,000 yd. topsoil, to Hagedorn Constr. Co., Commerce. About $75,000.

Florida—State Highway Comn., Tallahassee, received bids building 10 mi. hard surfaced county road from Lake City to Baker Co. line, 16 ft. wide, and 6 culverts, 8-15 ft. spans, involving 92,814 sq.yd. asphalt or bituminous macadam, 104,415 sq. yd. rock base, 104 cu.yd. Class A concrete and 530 lb. steel reinforcing for culverts, from F. W. Long & Co., 434 East Bay St., Jacksonville, $274,170. Akerman Constr. Co., Titusville, $287,985. Noted Nov. 18.

★**Ind., Winamac**—Comrs. Pulaski Co. let contract graveling 15,750 ft. D. Berryman Rd., Harrison Twp., to J. Featherston, Winamac, $15,989. Noted Nov. 25, under "Indiana."

★**Michigan**—State Highway Dept., Lansing, let contract grading and gravel surfacing 7.182 mi. State Trunk Line Rd. 73-1, Sect. B, to Smith, Sparks, Bunidge Co., Crystal Falls, $32,703.

★**Ia., Marshalltown**—Marshall Co. let contract paving about 6 mi. Lincoln Highway, 18 ft. wide, crushed rock, sand and cement, to Wright Constr. Co., 211 Flynn Bldg., Des Moines, $3.17 per yd. for paving and $1.25 per yd. for excav. Noted Dec. 2.

★**Minn., Grand Rapids**—Itasca Co. let contract building 7 mi. Job 2004, State Rd. 9, involving 166,000 cu.yd. excav., 793,000 cu.yd. overhaul, etc., to E. W. Coons Co., 230 Center St., Hibbing. About $150,000. Noted March 18.

★**Kan., Columbus**—Cherokee Co. let contract grading and graveling 13 mi. Oswego Rd., 18 ft. wide, to W. C. Judsch, Sapulpa, Okla., $187,504. Noted Nov. 11.

★**Wyo., Greybull**—Town let contract paving Dist. 1, concrete, to Lloyd Building Co., Casper, $67,374.

★**Tex., Daingerfield**—Morris Co. let contract surfacing 10.9 mi. State Highway 1 from Titus Co. line to 2 mi. north of Omaha, to Smith Bros., Crockett, $37,784; including 10% for engineering and contingencies. Work involves 10 acres clearing and grubbing, 6.5 mi. shouldering and reshaping, 8,085 cu.yd. local and 3,488 cu.yd. shipped gravel.

★**Tex., Nacogdoches**—Nacogdoches Co. let contracts grading, surfacing and building concrete culverts and headwalls on 19.58 mi. Garrison Rd. from here to Shelby Co. line, 15 ft. wide, and 9.73 mi. Highway 35, Lufkin Rd., from here to Angelina Co., 15 ft. wide, to H. F. Bland, San Augustine, $152,468 and $84,523 respectively. Noted Dec. 9.

Tex., Olton—Lamb Co. received bids grading, surfacing and draining 26.06 mi. State Highway 7 from Hockley Co. line to Soudan, from J. F. Hamer, Ft. Worth, $44,286; W. M. Rice Constr. Co., Amarillo, $45,866; McKnight & Howell, Amarillo, $48,817. Work involves 384.5 cu.yd. Class "A" concrete, 33,973 cu.yd. clay surfacing, 34,823 lb. reinforcing steel, 11,446 cu.yd. unclassified earth and 2,599 cu.yd. borrow excav.

★**Tex., Orange**—Orange Co. let contract grading, surfacing and draining 4.98 mi. Highway 3, Orange-Beaumont Rd., to Houston Constr. Co., McKinney Ave., Houston, $245,598; including 10% for engineering and contingencies. Noted Dec. 9.

★**Tex., Wichita Falls**—Wichita Co. let contract paving Ave. A, 8th, 9th and Grant Sts., involving 34,046 sq.yd. bitulithic pavement on broken stone foundation, to Texas Bitulithic Co., 1101-6 Praetorian Bldg., Dallas, $144,390. Noted Dec. 2.

Wash., Aberdeen—City received bids grading and paving Simpson and Park Aves., from Grays Harbor Constr. Co., Aberdeen, concrete $136,740; Aberdeen Paving Co., concrte $136,920, asphalt $132,296.

Wash., Seattle—City received bids grading and building walks on West 59th, involving 1,600 lin.ft. concrete sidewalks and 5,400 cu.yd. earth excav., from J. Traphagen, Walker Bldg., $16,176; Smith, Pioneer Bldg., $16,270; J. B. Co., Seattle, $17,373.

Wash., Seattle—City received bids grading and building concrete walks on W. Ave. et al, from D. H. Traphagen, W. Bldg., $90,293; Hansen & Hauge, $95,746; G. A. Banderet, Seattle, $96, Noted Dec. 2.

Cal., Eagle Rock (Los Angeles P. O.)—City received bids grading, building concrete curbs, concrete gutter and concrete sidewalks on Rosemont Ave. between Colorado Blvd. and Hill Ave, from W. McCray, Amer. Bank Bldg., Los Angeles, $16,029; P. L. Perry, Glendale, $23,759.

★**Cal., Los Angeles**—City let contract grading, curbing, guttering, oiling, etc., Gleason Ave. between Indiana and Lorena St., to W. D. McCray, 424 Amer. Bank Bldg., $22,939.

★**Cal., San Diego**—Common Council let contract to Fairchild-Gilmore-Wilton Co., 25 14th St. improving Union, Albatross and Juniper Sts., involving 207,163 sq.ft. paving with 4 in. concrete base and 2 in. asphaltum macadam wearing surface, at $0.235; 1,700 sq.ft. surfacing existing gutters, $0.5; 200 lin.ft. concrete curbing, $0.70; 295 sq.ft. concrete sidewalking, $0.25; removal of culverts, $100; 1,252 lin.ft. 4 in. c.i. water main, $3.30; 2 fire hydrants, $220, total $54,153. Noted Oct. 14.

Railways

PROPOSED WORK

Quebec—Montreal Tramway Co., Craig St., W., Montreal, plans to build ½ mi. double track in Verdun from Cote St. Paul Bridge to Wellington St. About $300,000. C. E. Granes, ch. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

New York—Pub. Serv. Comn., 49 Lafayette St., New York City, received bids Dec. 10, for special work on track crossings in Livonia Ave. Yards, Brooklyn, from W. Wharton, Jr. Co., Inc., 30 Church St., New York City, $64,145; Ramapo Iron Wks., 30 Church St., New York City, $66,307; Bethlehem Steel Products Co., 111 Bway., New York City, $75,509. Noted Dec. 2.

Excavation and Dredging

PROPOSED WORK

N. J., Newark—Dredging—See "Miscellanous."

Minn., Waseca—Ditch—Waseca Co. plans to build Co. Ditch 21, 12,439 ft. long, to drain 648 acres. About $23,412. G. Cox, Waseca, engr.

Utah, Provo—Irrigation—Goshen Valley Irrigation Co. plans to irrigate 15,000 acres of land. J. R. Murdock, pres. Engineer not selected.

Ariz., Thatcher—Drainage—Thatcher, D. D., having surveys and plans made draining 1,600 acres. About $35,000. H. L. Wells, Box 44, engr.

BIDS DESIRED

N. Y., New York—Dredging—Until Dec. 31, by M. Hulbert, comr. docks, Pier "A", ft. Battery Pl., furnishing labor and material for dredging in Borough of Manhattan and Brooklyn.

Ia., Osage—Drainage—Until Jan. 7, by A. M. Swanson, aud. Mitchell Co. and C. N. Urdhal, aud. Worth Co. (Northwood), building D. D. 6 and 51, involving 13.6 mi. 6-36 in. drain tile, cost $53,000; D. D. 7 and 50, 44 mi. 6-45 in. drain tile, $220,000. E. A. Iliff, Osage, engr.

Ia., Rockwell City—Drainage—Until Jan. 5, by R. B. Dixon, aud. Calhoun Co., C. W. Gilchrist, aud. Pocahontas Co. (Pocahontas), W. W. Bennett, aud. Buena Vista Co. (Storm Lake), E. W. Moyer, aud. Sac Co. (Sac City), building Joint D. D. 181 Branch Sect. 2, Big Cedar Main, involving

Excavation and Dredging (Continued)

1,313,000 cu.yd. excav.; Sect. 4, Little Cedar Main, 506,560 cu.yd. excav., Sept. 5, Little Cedar Main, 682,952 cu.yd. excav. About $750,000. J. L. Parsons, Ft. Dodge, engr. Noted Sept. 23.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Minn., Crookston**—Ditches—Polk Co. let contracts building (1) Co. ditch 34, (2) Ditch 57, (3) Ditch 131, (4) Ditch 135, (a) repair work, (b) culverts, to Northern Minnesota Drainage Co., Litchfield, (1a) $11,166; Union Drainage Co., Crookston, (2a) $10,-573, (3a) $9,192, (4a) $7,518; P. H. Gramer, Crookston, (1b) $693, (3b) $2,59-(4b) $742; Valley Constr. Co., Stephen, (2b) $5,578. Noted Oct. 21.

Industrial Works

PROPOSED WORK

Vt., Windsor—Fdry. Co. plans to build 1 story, 115 x 250 ft. brick and steel foundry. Project will mature in spring. Architect not selected.

Mass., Charlestown (Boston P. O.)—J. C. Rogers, agent, 18 Tremont St., Boston, having plans prepared by F. O. Lewis, archt. and engr., 50 Bromfield St., Boston, for 7 story rein.-con. plant, rein.-con flooring, concrete foundation, on City Sq., here. About $300,000. Owner's name withheld.

Mass., East Boston (Boston P. O.)—H. Crisholm, archt., 8 Beacon St., Boston, preparing plans for 2 story, rein.-con. and brick garage on Saratoga St. About $60,-000. Owner's name withheld.

Mass., Gardner—Gardner Steam Laundry, Pine St., having plans prepared by P. Varney, archt., 25 Exchange St., Lynn, for 1 story, brick and concrete garage and laundry. About $50,000.

Mass., Westerly—Westerly Textile Co., 11 Main St., having plans prepared by C. T. Main, engr., 201 Devonshire St., Boston, for 2 story, mill construction addition to plant. About $50,000.

Conn., Hartford—A. Goldstein, 593 Windsor St., having plans prepared by F. C. Walz, archt., 407 Trumbull St., for 1 story, brick and steel garage, on Morgan St. About $50,000.

N. J., East Orange—C. B. Comstock, archt. and engr., 110 West 40th St., New York City, rejected bids building 3 story top addition to present building and 5 story side addition, rein.-con., steel and brick, rein.-con. flooring, concrete foundation, here, for Ward Baking Co., South Blvd. and St. Marys St., New York City. Work will be readvertised. Noted Oct. 21.

Pa., Johnstown—Flood City Mfg. Co. Elder St., plans to build 2 story, 80 x 200 ft., rein.-con., brick and steel plant. About $250,000. J. L. Hershberger, pres.

Pa., Raven Run—J. S. Wentz Co., Markle Bldg., Hazleton, plans to build frame breaker on coal tract here. About $150,000. G. S. Troutman, Markle Bldg., Hazleton, engr. and archt.

Pa., Sharon—Sharon Steel Hoop Co., South Irvine Ave., having preliminary plans prepared by J. H. Herron Co., engrs and archts., 1360 West 3rd St., Cleveland, O., for 2 story, concrete, brick and steel factory, rein.-con. flooring, concrete and brick foundation. About $150,000.

Md., Rockville—International Shoe ..cel Corp. having plans prepared by H. C. Cutler, archt. and engr., Mutual Fire Bldg., 13th and H Sts., Wash., D. C., for four 1 story, 35 x 200 ft. heel shops and two 4 story, 45 x 200 ft. shoe shops, concrete, concrete foundations. About $350,000.

N. C., Andrews—F. P. Cover & Sons, recently incorporated with $1,500,000 capital stock, plan to build tannery.

Ga., Rome—Towers & Sullivan Mfg. Co. plans to build 1 story, rein.-con., steel and brick machine shop. About $75,000.

Fla., St. Petersburg—Williams-Beers Ice Co. having plans prepared by H. Beers, engrs., St. Petersburg, for ice plant. About $100,000. H. Williams, pres.

O., Cleveland—Acme Petroleum Products Co., 3591 West 56th St., plans to build 2 story, brick and steel factory, brick foundation. About $75,000. Private plans.

O., Cleveland—Cretney Co., 14453 Euclid Ave., plans to build 1 story, 70 x 130 ft., rein.-con., brick and steel garage, rein.-con. flooring, brick and concrete foundation, on Euclid and Eastham Aves. About $50,000. T. A. Cretney, pres. Architect not selected.

O., Cleveland—Par-Brook Mfg. Co., Brookpark Rd., plans to build 1 story, 60 x 150 ft., brick and steel factory addition, brick foundation. About $50,000. G. S. Rider & Co., Century Bldg., archts.

Ind., Terre Haute—Industrial Supply Co., 322 North 9th St., plans to build 3 story, rein.-con. and brick warehouse and office, on Wabash Ave. About $100,000. Johnson, Miller & Miller, 105 South 7th St., archts.

Ill., Chicago—Tooker Storage & Forwarding Co., 1400 South Clark St., plans to build warehouse in spring. About $750,000. Architect's name withheld.

Ill., East St. Louis—East St. Louis Locomotive & Car Co., 5483 Ellis Ave., Chicago, purchased 145 acre site and plans to build (1) wooden freight car repair shop, (2) shop for rebuilding steel under frames for wooden cars, (3) all steel car repair shop, (4) locomotive repair shop. Project also includes large amount of trackage work. About $1,000,000. R. W. Crawford, 5483 Ellis Ave., Chicago, engr. Noted Sept. 30.

Wis., Sheboygan—H. H. Schmidt, c/o C. Reiss Coal Co., having plans prepared by R. R. Jahn, archt., Betsy Ross Bldg., for 2-3 story, 60 x 185 ft., rein.-con., brick and steel garage, rein.-con. flooring, concrete foundation, on Jefferson and 8th Sts. Cost between $75,000 and $100,000.

Wis., Sheboygan—Sheboygan Cold Storage Co., c/o E. C. Peacock, South 12th St. and Jefferson Ave., plans to build 2-3 story, 100 x 250 ft., rein.-con., brick and steel plant, on West Water St., to replace one destroyed by fire. Loss between $350,000 and $400,000. Architect not selected.

S. D., Mitchell—Farmers Union Wholesale Co., c/o State Farmers Union, Mitchell, plans to build purchasing plant. About $1,000,000. Architect not announced.

Que., Montreal—M. B. Steine, Ltd., 86 Grey Nuns St., plans to build brick and steel addition to plant. About $100,000.

BIDS DESIRED

R. I., Woonsocket Lafayette Worsted Co., Hamlet St., receiving bids building 4 story, 138 x 246 ft. mill construction addition to plant, concrete foundation. About $350,000. W. F. Fontaine, Federal Bldg., archt. Noted Aug. 5.

Ill., La Salle—Until March 1, by Weightman & Steigely, archts. and engrs., 21 North La Salle St., Chicago, building 2 story, 80 x 350 ft., concrete, brick and steel factory, concrete foundation. About $200,000. Owner's name withheld.

Wis., Milwaukee—A. D. Koch, archt., Wells Bldg., opens bids about Jan. 1, constructing 2 story, 120 x 125 ft., glass factory, mill construction, concrete foundation, on 32nd St., for Panay Horizontal Show Jar Co., 1102 32nd St.

Cal., Sausalito—City Trustees plan election to vote on $40,000 bonds to build gas distributing plant.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Chicopee**—Dwight Mfg. Co., Exchange Bldg., Boston, let contract building superstructure of 6 story, 150 x 600 ft. rein.-con. and brick addition to plant, rein.-con. flooring, to Casper Ranger Constr. Co., 20 Bond St., Holyoke. Concrete foundation will be built by day labor.

★**Mass., Lee** — Tayford Co., Inc., 154 Nassau St., New York City, let contract building 1 story, brick and concrete hydro-electric plant along Housatonic River, to H. W. Taylor, 154 Nassau St., New York City. About $150,000.

★**Mass., New Bedford** — New Bedford Shuttle Co., 24 Elm St., will build 2 story, 40 x 125 ft. mill construction addition to factory, on Rockdale Ave. About $40,000. Work will be done by day labor. Noted Dec. 2.

★**N. Y., New York**—Shaskin Realty Co., 220 Bway., will build 2 story, 75 x 225 ft., brick and steel garage, rein.-con. flooring,

RAILWAY—BROOKLYN, N. Y.

Order No. 19

Bids were received by Pub. Serv. Comm., 49 Lafayette St., New York City, for special work on track crossings in Livonia Ave. Yards, from (A) W. Wharton, Jr. & Co., Inc.; (B) Ramapo Iron Wks.; (C) Bethlehem Steel Products Co., Bethlehem, Pa. The unit bids were as follows:

	A	B	C
For special work portion 235 furnished and delivered, complete (lump sum)	$8,090 00	$7,600 00	$9,982 00
For special work portion 236 furnished and delivered, complete (lump sum)	7,294 00	7,300 00	7,800 00
For special work portion 237 furnished and delivered, complete (lump sum)	8,149 00	7,750 00	9,450 00
For special work portion 238 furnished and delivered, complete (lump sum)	4,730 00	4,445 00	5,128 00
For special work portion 239 furnished and delivered, complete (lump sum)	3,411 00	3,185 00	3,242 00
For special work portion 240 furnished and delivered, complete (lump sum)	3,287 00	3,220 00	3,436 00
For special work portion 241 furnished and delivered, complete (lump sum)	5,885 00	5,590 00	5,870 00
For furnishing and delivering, complete, portion 242 (track appurtenances) as follows:			
255 (a) splice bars, type C	2 80	2 00	*2 40
350 (b) splice bars, type C, sheared	3 10	2 90	*3 40
90 (c) bolts, including nuts, type A	55	50	50
90 (d) bolts, including nuts, type B	50	50	53
530 (e) bolts, including nuts, type C	47	50	40
2,350 (f) bolts, including nuts, type E	35	50	30
570 (g) main rail braces	1 15	1 25	1 60
310 (h) cast iron separators, type B	90	1 25	90
2,800 (i) tie plates, type A	88	1 25	*1 60
770 (j) tie plates, type B	1 90	2 50	*2 25
450 (k) tie plates, type C	2 15	2 50	*3 50
470 (l) tie plates, type D, with wedge	2 70	2 75	*5 50
2,550 (m) tie plates, type E	1 65	1 75	*2 40
5,500 (n) screw spikes, type B	50	55	35
1,050 (o) splice bars for 85 lb. A.S.C.E. rail	1 18	1 20	*1 20
2,100 (p) splice bar bolts for 85 lb. A.S.C.E. rail	14	15	11
45 (q) left hand end inclines	8 20	11 00	13 50
5,800 (r) cup washers, type B	14	20	21
4,700 (s) oblong washers, type C	07	15	20
2,800 (t) bolts, including nuts, type F, 15½ in.	46	47	48
475 (u) bolts, including nuts, type F, 18½ in.	49	50	50
3,200 (v) bolts, including nuts, type H, 9½ in.	40	43	52
60 (w) bolts, including nuts, type H, 13 in.	45	50	55
475 (x) bolts, including nuts, type H, 14½ in.	49	50	56
40 (y) cast steel compromise joint plates, including bolts 20 R.H. and 20 L.H.	8 00	15 00	*10 40
Extended totals	$64,145	$66,307	$75,509

*Exceptions—Items A and B—Offer B.S. Co. standard splice bar fitting 100 lb. rail section 161 as per print attached.
Item O—Offer B.S. Co. standard splice bar, section 235 fitting 85 lb. A.S.C.E. rail, as per print attached.
Item I—Offer B.S. Co. tie plate, 10½ in. wide, P.R.R. print 659 attached.
Item J—Offer tie plate machined from solid rolled steel bars.
Item K—Offer tie plate machined from solid rolled steel bars.
Item L—Offer tie plate machined or forged from solid rolled steel bars.
Item M—Offer tie plate machined from solid rolled steel bars, as per sketch 12,208 attached.
Item Y—Offer Q. & C. Bonzano rolled steel step joints, design 978, as per lithographs attached.

concrete foundation, on Inwood Ave. near 170th St. About $60,000. G. Shaskin, pres. Work will be done by day labor.

★**N. Y., New York**—Sixteenth St. Garage Corp., c/o C. Kreymborg, archt. and engr., 309 East Kingsbridge Rd., will alter 5 story, brick and steel garage, rein.-con. flooring, at 235 West 16th St. About $50,000. Work will be done by day labor.

★**N. J., Bloomfield**—C. F. Stiefel, 60 South Orange St., let contract building 1 story, rein.-con. and steel factory and power house, rein.-con. flooring, concrete foundation, on Orange St. near Delaware, Lackawanna & Western R.R. tracks, to White Constr. Co., 95 Madison Ave., New York City. About $80,000.

★**N. J., Ridgefield**—Continental Paper Box Co., 122 Washington St., Brooklyn, let contract building 2 story, 100 x 500 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Grand Ave. and Hall St., here, to Gretsch Eng. Corp., 103 Park Ave., New York City. About $250,000. Noted Dec. 2.

★**Va., Richmond**—C. G. Mercer and R. C. Trettan, 218 North 9th St., will build 3 story, 40 x 50 x 140 ft. brick garage, at 608 East Grace St. About $50,000. Work will be done by day labor.

★**Ga., Trion**—Trion Co. will build 3 story, 25 x 40 ft. addition to power house, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $100,000. Work will be done by day labor. Noted Oct. 7.

★**O., Cleveland**—P. Matzinger, archt., Caxton Bldg., let contract to A. W. Laws, 2206 East 93rd St., building 1 story, 60 x 233 ft., brick and steel factory, brick foundation, at 6602 Sidaway Ave., for Cleveland Refrigerator Co., 2996 East 72nd St. About $50,000. Noted Dec. 16.

★**O., Cleveland Heights** (Warrensville P. O.)—Bd. Educ. let general contract building 2 story, 50 x 67 ft., concrete, brick and steel power plant, rein.-con. flooring, concrete foundation, on Lee Rd., to P. Kirschner, 1008 Hippodrome Bldg., Cleveland. Noted Nov. 4.

★**Ont., Hamilton** — Canadian Libbey-Owens Sheet Glass Co. let contract building 2 story, 150 x 540 ft. brick and steel plant, to H. W. Cooper, Hamilton. About $1,000,000.

Buildings

PROPOSED WORK

Mass., Boston — Municipal — City having plans prepared by J. A. Schweinfurth, archt., 53 State St., for brick, stone and steel, on Shawmut Ave. and Brookline St., to contain swimming pool, gymnasium, lecture hall, etc. About $300,000. Noted Oct. 7.

Mass., Boston—Store—L. K. Liggett Co., 151 5th Ave., New York City, plans to alter store and loft building at 50 Washington St., here. About $75,000. W. T. Williams, 151 5th Ave., New York City, archt.

Mass., Brookline (Boston P. O.)—Nurses Home—Childrens Hospital, 300 Longwood Ave., having plans prepared by Coolidge & Shattuck, archts., 1 Court St., Boston, for remodeling and converting apartment house on Longwood Ave. into nurses home. About $100,000.

Mass., Holyoke—High School—School Bldg. Com. having plans prepared by G. P. B. Alderman & Co., archts., Alderman Bldg., for 3 story, fireproof, on Maple St. About $300,000.

Mass., Holyoke—School—City having plans prepared by G. P. B. Alderman & Co., archts., 316 High St., for 2 story, brick, on Lawrence and Maple Sts. About $250,000. Noted Dec. 9.

Mass., Marboro—Club House—Black & White Country Club, Concord Rd., plans to build 2½ story club house and golf course. About $75,000. Architect not selected.

Mass., Northampton — College — Smith College, College Hall, having sketches made by J. W. Ames, archt., 15 Exchange St., Boston, for 3 buildings.

Mass., Roslindale (Boston P. O.—Club—Masonic Apartments, Mt. Vernon St., Boston, had plans prepared by H. B. Alden, archt. and engr., 15 Exchange St., Boston, for remodeling and constructing 1 story addition to old building, on Belgrade Ave., here. About $75,000.

R. I., Pawtucket—Mission—J. Thompson Mission, c/o R. C. N. Monahan, archt., 255 Union St., having plans prepared for 3 story, brick and steel, on East Ave. and Pleasant St.

Conn., Glastonbury—School—School Bd. plans to build 2 story, 12 room, grammar school. About $100,000. Architect not selected.

Conn., Hartford—Church—Our Lady of Sorrows Church, 85 New Park Ave., had plans prepared by O'Connell & Shaw, archts., 18 Boylston St., Boston, and receives bids in spring, building 1 story, 75 x 170 ft. brick and stone, concrete foundation, on New Park Ave. and Grace St. About $250,000. H. Galven, Pres. Noted Jan. 15.

Conn., New Britain—Dormitory—State Bd. Educ., Hartford, having plans prepared by G. C. Betelle, archt., 2 Lombardi St., for dormitory, at State Normal School. About $900,000.

Conn., New Britain—Temple—Masonic Order, Elton Pl., having revised plans prepared by M. J. Unkelbach, archt., 162 Main St., for 7 story, 110 x 210 ft., concrete, brick and steel, on North Main St. Noted May 13.

Conn., New Haven—Business—A. Perlroth, 865 Chapel St., plans to construct fireproof business building on Chapel and State Sts. About $250,000. Architect not selected.

Conn., Norwalk—Hall—M. Joselovsky, 41 Seaview Ave., East Norwalk, plans to remodel music-hall, on South Main St., here. About $75,000. H. W. Mather, Hartland Bldg., archt.

N. Y., Brooklyn—Hospital—Brooklyn Eye & Ear Hospital, 94 Livingston St., having sketches made by Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York City, for 7 story, 100 x 200 ft., brick, steel and stone, concrete foundation, on Cumberland St., Carlton and Greene Aves.

N. Y., Yonkers—Clubhouse—La Rabida Council, K. of C., 107 South Bway., having plans prepared by B. Werner, archt., 107 South Bway., for 3 story, on South Bway. and St. Mary St. About $100,000.

N. J., Camden—Schools—Bd. Educ. plans to build 12 room addition to Yorkship Village school; 16 room addition to school, on 32nd St.; 6 room addition to Whittier school. Architect not selected.

N. J., Jersey City—Theater and Office—States Theater Corp., Sinisi Bldg., plans to construct theater and office building on Bergen Ave. and Newkirk St. About $200,000.

N. J., Kearney (Arlington P. O.)—High School—Bd. Educ. having sketches made by Guilbert & Betelle, archts., 2 Lombardi St., Newark, for high school, on Devon St. About $600,000.

N. J., Newark—Auditorium—Salaam Temple of Mystic Shrine, 165 Market St., plans to build 3 story, 129 x 225 ft., seating capacity 5,000, on Broad St. About $1,000,000. M. W. Beemer, 101 Halsey St., engr. Architect not selected.

N. J., Phillipsburg—School—Bd. Educ. had plans prepared by Ritcher & Eiler, archts., 33 North 6th St., Reading, Pa., for Brensinger School, 2 story. About $150,000.

Md., Baltimore — Convent — All Saints Church having plans prepared by Mottu & White, archts., 324 North Charles St., for 3 story, 60 x 200 ft., brick, on Hilton Ave.

W. Va., Charleston—Jail—Kanawha Co. having plans prepared by H. R. Warne, archt., Masonic Temple, for jail on Court and Virginia Sts. About $300,000.

N. C., Asheville—Schools—City plans to issue $500,000 bonds to build one 16 room, two 14 room, one 12 rom and one 8 room schools. W. H. Lord, Asheville, consult. engr.

N. C., Asheville—Y. M. C. A., 2 West 45th St., New York City, soon receives bids constructing brick and stone building, here. About $200,000. Jallade, Lindsay & Warren, 129 Lexington Ave., New York City, archts.

N. C., Canton—High School—City voted $85,000 bonds to build new high school.

N. C., East Durham—Church—East Durham Baptist Church plans to build 2 story brick and stone. About $75,000. C. Carlton, Chattanooga, Tenn., archt.

N. C., Greensboro—Schools—City ... tion Jan. 14 to vote on $1,000,000 bonds build schools.

N. C., Henderson—School—City vo... $100,000 bonds to build school.

N. C., High Point — High School — Hi... Point Twp. election Jan. 18, to vote ... $600,000 bonds to build central high scho...

Ga., Augusta—Y. M. C. A., Greene ... 9th Sts., plans to build 4 story, rein.-con... limestone and brick, rein.-con. flooring... About $300,000. Murphy & Dunn, ... Madison Ave., New York City, archts.

Ala., Albany—School and City Hall—City plans election to vote on $200,000 bonds to build school and city hall. E. ... Payne, mayor.

Tenn., Nashville — Church — Belmont Heights Baptist Church having plans prepared by Hart & Evans, archts., Independent Lift Bldg., for 3 story. About $100,000. H. P. Jacobs, chn.

O., Akron—Market—City Council authorized issuance of $200,000 to purchase site on Cherry St., for market house. Total cost $500,000.

O., Akron—School—Bd. Educ. plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, in Goodyear Heights. About $500,000. M. M. Komarski, Central High School, archt. Puegley, Szekley & Beam, 5716 Euclid Ave., Cleveland, engrs.

O., Cleveland—Church and School—St. Wensislaus Church, c/o J. W. Koudelka, pastor, 2666 East 35th St., having plans prepared by E. Uhlrich, archt., 8617 Carnegie Ave., for 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Libby Rd. About $100,000. Noted Sept. 23.

O., Cleveland—Commercial—Galvin Bros., 1371 West 6th St., plan to build 3 story, 65 x 100 ft., brick and steel, brick foundation, on West 3d St. and St. Clair Ave. About $75,000. Architect not selected.

O., Cleveland—Commercial—Koblitz Co., The Arcade plans to remodel 6 story, brick and steel, on West 6th St. and St. Clair Ave. About $100,000. Private plans.

O., Cleveland—Commercial—A. M. Wagner, pres. Cuyahoga Mortgage Co., 214 Williamson Bldg., plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 14th St. and Euclid Ave. About $100,000. Architect not selected.

O., Cleveland—Commercial—M. Teplitz, 4901 Woodland Ave., opens bids about Dec. 29, building 1 story, 100 x 100 ft., brick, brick foundation, at 905 East 105th St. About $75,000. M. Weis, 618 Union Bldg., archt.

O., Cleveland—Office—Sanlin Co., Schofield Bldg., having preliminary plans prepared by Rutan, Russell & Wood, archts., Century Bldg., Pittsburgh, Pa., for 16 story, 86 x 165 ft., brick and steel, rein.-con. flooring. About $2,000,000.

O., Portsmouth—High School—Bd. Educ. plans to build 3 story, 110 x 130 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation. About $400,000. A. Fretzinger, 1155 Reibold Bldg., Dayton, archt.

O., West Park—Schools—Bd. Educ. having preliminary plans prepared by Fulton-Taylor & Cahill, archts., 8120 Euclid Ave., Cleveland, for 2 story, 19 room, in Lennox Park Dist., and 2 story, 8 room, in Puritas Springs, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundations. About $250,000 and $100,000 respectively. F. W. Featherstone, clk.

O., Youngstown—Hotel—M. C. Hannon, Hotel Ohio, receives bids early in spring, building 4 story, 250 x 250 ft. rein.-con. and brick addition, on Boardman St. About $75,000.

Ind., Garrett—School—Bd. Educ. receives bids after Jan. 1, building 2 story, 60 x 128 ft., brick and stone. About $80,000. A. H. Elwood & Son, Elkhart, archts.

Buildings (Continued)

Ind., Hammond—Schools—Bd. Educ. had revised plans prepared by Perkins, Fellows & Hamilton, archts., 814 Tower Court, Chicago, Ill., for two 2 story, 134 x 377 ft., brick and hollow tile, (Bedford stone or terra cotta trim), rein.-con. flooring. Abaut $200,000 each.

Ind., Gary — Church — First Christian Church plans to build 2 story, 70 x 100 ft., brick and stone, on 7th and Jefferson S s. About $100,000. O. E. Tomes, pastor. A. F. Wickes, 467 Bway., archt.

Ind., Indiana Harbor—Office—E. Keitsik, c/o M. Turner, archt., Hammond, plans to build 2 story, 70 x 125 ft., brick, here. About $80,000.

Ind., Montpelier — School — Bd. Educ. plans to build 2 story, 100 x 150 ft., brick, rein.-con. flooring. About $140,000. E. I. Brown, Bluton, archt.

Ind., South Bend — Cathedral — Scottish Rite having sketches made by R. G. Schmid, archt., 154 West Randolph St., Chicago, Ill., for brick, steel and stone, rein.-con. flooring, probably 4 story. About $500,000.

Ind., South Bend—Fraternity—Fraternal Bldg. Assn. plans to build 6 story, 75 x 95 ft., brick, at 109 East Wayne St. C. Bell, pres. Freyermuth & Maurer, 308 South Michigan St., archts.

Ind., South Bend—Hotel—Tavern Hotel Co. receives bids in January, building 10 story, 88 x 165 ft., rein.-con., rein.-con. foundation. About $1,500,000. R. F. France, 155 North Clark St., Chicago, archt. Noted Oct. 28.

Ind., Terre Haute—Office, etc.—See "Industrial Works."

Ind., Whiting—School—Bd. Educ. receives bids in spring, building 2 story, 100 x 195 ft., brick, rein.-con. flooring. About $200,000. N. S. Spencer & Son, Old Colony Bldg., Chicago, Ill., archts.

Mich., Ann Arbor—College—University of Michigan, c/o M. L. Burton, pres., plans to construct additional buildings on campus, as follows: literary building, cost $900,000; museum, $900,000; engineering shops and laboratories, $1,500,000; physics laboratory, $800,000; medical building, $900,000; high school building, 350,000; addition to dentistry building, $200,000; chemical laboratory, $400,000; biological sta. at Douglas Lake, $40,000, all brick, steel and rein.-con. Engineer not selected.

Mich., Saginaw—Library—Hoyt Library having plans prepared by Boring & Tilton, archts., 52 Vanderbilt Ave., New York City, for 1½ story, brick and stone addition. About $100,000.

Ill., Chicago—Office—McCormick Estate, c/o Holabird & Roche, archts., 104 South Michigan Blvd., having plans prepared for 5 story, 101 x 135 ft., rein.-con., steel and terra cotta addition, rein.-con. flooring, concrete foundation, at 11 South La Salle St. About $1,250,000.

Ill., Evanston — Church — Hemenway Methodist Episcopal Church having plans prepared by Tallmadge & Watson, archts., 189 West Madison St., Chicago, for 1 story, rein.-con. and steel, concrete foundation. About $175,000.

Ill., Melrose Park—School—Bd. Educ. receives bids in January, building 3 story, 40 x 113 ft., fireproof. About $75,000. E. E. Roberts and J. A. Chiaro, 105 North Clark St., Chicago, archts.

Ill., Normal—School—E. D. Martin, state archt., Springfield, receives bids about Jan. 1, building 1 story, 80 x 100 ft., concrete and brick, concrete foundation, at Soldiers Orphans Home, here, for Illinois State Dept. Pub. Wks. & Bldgs., Springfield. About $80,000.

Ill., Wilmette—School—F. B. Byrne, Jr., archt., 104 South Michigan Blvd., Chicago, receives bids about Feb. 25, building 2 story, 40 x 100 ft., rein.-con., rein.-con. flooring, concrete foundation, for St. Francis Xavier Parish, here. About $100,000.

Wis., Fairchild—School—Bd. Educ. plans to build 2 story, rein.-con., brick and tile. About $100,000. M. Hood, pres. Architect not selected.

Wis., West Bend—Hospital—City plans to build 5-7 story, 60 x 350 ft., rein.-con., brick and stone, brick foundation. About $250,000. C. P. Hupp, clk. Architect not selected.

Ia., Dunbar—School—Bd. Educ. plans to build 2 story, rein.-con. and brick. About $75,000. O. Tweed, secy. Architect not announced.

Ia., Hull — High School — Western Academy having plans prepared by Beuttler & Arnold, archts., 235 Grain Exch. Bldg., Sioux City, for 2 story, rein.-con., brick, stone and tile. About $100,000.

Ia., Marshalltown—Bank—Fidelity Savings Bank receives bids about Jan. 1, remodeling and building 2 story, 20 x 66 ft., rein.-con., brick and stone addition. About $75,000. H. E. Reimer, Kibby Bldg., archt.

Ia., New Market—School—Bd. Educ. opens bids in January, building 2 story, 54 x 85 ft., rein.-con., brick and tile. About $75,000. A. L. Rowen, secy. H. E. Reimer, Kibby Bldg., Marshalltown, archt.

Building Contracts Let

Last week 39 contracts were let for non-industrial buildings, totalling

$18,274,000

while a year ago 36 contracts were awarded for

$13,525,000

Last week proposals asked on large non-industrial building projects numbered

42

against the year-ago figure of

31

Watch these pages for complete

Construction News

Ia., Wallingford—School—Bd. Educ. having plans prepared by T. Thorson, archt., Forest City, for 2 story, rein.-con., brick and tile. About $75,000.

Minn., Atwater—School—Bd. Educ. plans to build 2 story, rein.-con. brick and tile. About $85,000. I. Anderson, clk. Architect not announced.

Minn., Coon Creek—School—School Dist. 5 having plans prepared by Foss & Foss, archts., St. Cloud, for 2 story, rein.-con. and brick, here. About $75,000. R. P. Roberts, R. F. D. No. 3, Anoka, clk

Minn., Crookston—College—Sisters of St. Benedict, c/o Bishop T. Corbett, Crookston, conducting campaign to raise $700,000 to build womens college. Architect not announced.

Minn., Fergus Falls — Court House — Comrs. Ottertail Co. soon receive bids building 3 story, rein.-con., brick and tile. About $300,000. Beuchner & Orth, 540 Shubert Bldg., St. Paul, archts.

Minn., Hackensack—School—F. R. Ross, clk. Cass Co. School Dist. (Walker) receives bids in January building 2½ story, 95 x 102 ft., rein.-con., brick and tile. About $75,000. Libenberg, Kaplan & Martin, 615 McKnight Bldg., Minneapolis, archt. Noted Nov. 4

Minn., Hibbing — Theater — Twin City Amusement Trust Estate, 425 Loeb Arcade, Minneapolis, having plans prepared by Kees & Colburn, archts., 246 Plymouth Bldg., Minneapolis, and soon receives bids building 2 story, 50 x 140 ft. rein.-con., brick and tile. About $100,000.

Minn., Hutchinson — School — Bd. Educ. plans to build 2 story, rein.-con., brick and tile. About $150,000. H. Brown, Jr., secy. Architect not announced.

Minn., Litchfield — High School — Bd. Educ. plans to build 2 or 3 story, rein.-con., brick, tile and stone. About $300,000. J. T. Mullen, clk. Architect not announced.

Minn., New Prague — High School — Bd. Educ. plans to build 2 story rein.-con., brick and tile. About $85,000. J. Joach, clk. Architect not selected.

Minn., St. Paul—Post Office—H. D. Loeb, 30 North La Salle St., Chicago, had plans prepared by J. P. Cowing Eng. Co., engrs., 30 North LaSalle St., Chicago, for 3 or 4 story, 100 x 157 ft. rein.-con. and steel, rein.-con. flooring, concrete foundation. About $750,000.

Minn., Storden—School—Bd. Educ. having plans prepared and receives bids about Jan. 25 building 2 story, rein.-con., brick and tile. About $100,000. S. Anderson, clk. C. H. Parsons, 600 Builders Exch. Bldg., Minneapolis, archt.

Minn., Waubun — School — Bd. Educ. receives bids about Jan. 1, building 2 story, 100 x 110 ft., rein.-con., brick and steel. About $75,000. Foss & Foss, St. Cloud, archts.

Kan., Kansas City—Temple—Union Labor Organization, c/o T. J. Flynn, City Hall, having plans prepared by Rose & Peterson, archts., Barker Bldg., for temple, probably 4 story. About $250,000.

Kan., Wichita—Temple — Midian Shrine plans to build 2 story, 200 x 200 ft., concrete, on 1st St. and Francis Ave. About $1,000,000. T. G. Fitch, trustee. Architect not selected.

Neb., Benkelman—Court House—Comrs. Dundy Co. having plans prepared by A. T. Simmons, archt., Bloomington, Ill., for 2 story, 50 x 80 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $85,000.

Neb., Blair—College—Dane College having plans prepared by J. C. Jensen, archt., 305 West Bway., Council Bluffs, Ia., for 2 dormitories and administration building. About $300,000.

Neb., Hebron—Academy—Hebron Luthern College having plans prepared by G. A. Berlinghof, archt., 414 Security Mutual Life Insurance Bldg., Lincoln, for academy. About $80,000.

S. D., Egan—School—Bd. Educ. having plans prepared by Schumacker & Finkelhor, archts., Sioux Falls, for school. About $150,000. Noted Oct. 7.

S. D., Waverly—School—Bd. Educ. receives bids in January building 2 story, 80 x 109 ft., rein.-con. and brick. About $100,000. M. F. Anthony, secy. K. T. Snyder, 739 Plymouth Bldg., Minneapolis, Minn., archt.

N. D., Carrington — High School — Bd. Educ. having plans prepared by Shannon, Boyd & Boyd, archts., Jamestown, for 2 story, rein.-con., brick and tile. About $150,000. E. T. Smith, supt.

N. D., Hettinger—Hospital—Adams Co. rejected bids building 2 story, rein.-con. and brick. About $75,000. Work will be readvertised in 1921. G. R. Horton, Jamestown, archt.

Mont., Bozeman—College—Montana State College, 9th Ave., plans to construct addi-

Buildings (Continued)

tional buildings. About $1,235,000. A. Atkinson, 915 South 3d St., pres.

Mo., Kirkwood—High School—City plans election to vote on $205,000 bonds to build high school. Architect not selected.

Mo., St. Louis—Office—Widman, Walsh & Pankan, archts., Wainwright Bldg., receive bids in spring, building 4 story, 14 x 250 ft., rein.-con. and brick, rein.-con. flooring, on Olive St., for Lowenstein Bros. Real Estate Co., Wainwright Bldg. About $750,000. Former bids rejected. Noted Aug. 26.

Tex., Amarillo—Auditorium—Bd. City Development plans to sell $300,000 bonds to build auditorium. L. D. Marrs, mayor. Noted Aug. 12.

Tex., San Antonio—Hotel—Hot Wells Hotel, South Presa St., having plans prepared remodeling buildings and grou Plans also include dam to develop 140 h.p.

Okla., Bartlesville—Hospital — Washington Co. plans to build 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $200,000. Architect not selected.

Okla., Tulsa—Office—D. Hunt, c/o Hunt Co., 311-313 South Main St., having plans prepared by W. D. Vanseelen, archt., 319 South Detroit St., for 10 story, 50 x 140 ft., rein.-con. and steel, on South Main St. About $450,000. A. F. Waseidewaski, 1319 South Cheyene St., engr.

Col., Denver — Church and College — Divine Science College and Church, 730 East 17th Ave., having plans prepared by J. B. Benedict, archt. 1669 Bway., for 78 x 102 ft. terra cotta and brick, concrete foundation, on 14th Ave. and Williams St. About $100,000.

Col., Denver — Home — Natl. Benevolent Assn. of Christian Church, 2955 North Euclid Ave., St. Louis, Mo., receives bids in Janary, building children's home, 2 story, on West 29th Ave. and Tennyson St., here. About $100,00. W. A. Matlock, 2079 Albion St., local secy. Private plans.

Col., Denver — Hotel — Bennett & Myers, Taber Bldg. plan to build hotel on Bway., East 17th Ave. and Lincoln St. About $5,000,000. Architect not selected.

Col., Denver — Temple — Masonic Temple Assn., Inc. plans to build temple. Cost between $1,000,000 and $1,250,000. E. C. Bennett, Kenmark Hotel, trustee. Architect not selected.

Col., Denver — Temple, etc. — Temple Emanuel Assn., East 16th Ave. and Pearl St., conducting campaign to raise $350,000 to build temple, and $150,000 to construct 2 other buildings. R. Wieger, Chamber of Commerce Bldg., archt.

Cal., Bakersfield—School—Kern Co. Union High School had plans prepared by C. A. Biggar, archt., Morgan Bldg., for domestic science building. About $100,000.

Cal., Los Angeles—Business and Lodge—Long Beach Branch Amer. Legion having preliminary plans prepared for 3 story, 50 x 140 ft. brick, rein.-con. foundation, on American Ave. and 7th St. About $100,000. Architect not announced.

Cal., Pomona—City plans election soon to vote on $400,000 or $500,000 bonds to build high schools. R. H. Orr, 1301 Van Nuys Bldg., Los Angeles, and W. H. Weeks, 75 Post St., San Francisco, archts.

Cal., Santa Monica — Auditorium — City having plans prepared by C. H. Russell, archt., 1106 Story Bldg., Los Angeles, for 1 story, 82 x 142 ft. frame, along Ocean Front. About $135,000.

Ont., Ottawa—Hall—Parish of St. Jean Baptiste plans to build parish hall. About $150,000. Address P. M. Marchand, 95 Empress Ave. Architect not selected.

Ont., Toronto—Educational Block—Dept. Educ. receives bids early in 1921 for building educational block. About $2,000,000. Address M. Doherty, c/o Dept. Educ.

B. C., New Westminster—Theatre—British Columbia Paramount Theatres Ltd., 963 Granville St., Vancouver, having plans prepared and receives bids in January building 2 story, 50 x 120 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, here. About $150,000. J. M. Jeffrey, 348 Confederation Life Bldg., Toronto, Ont., archt.

BIDS DESIRED

Mass., Brookline (Boston P. O.)—Hospital—H. F. Kellogg, archt., 93 Federal St., Boston, receiving bids building, 3 story, 80 x 130 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on Pond Ave., for Hospital Corp., c/o architect. About $150,000. Noted July 15.

Conn., Orange—School—Until Jan. 15, by West School Dist. building 2 story, 64 x 88 ft. brick and steel, rein.-con. flooring, concrete foundation, on Seaview Ave. About $75,000. D. E. Smith, Liberty Bldg., New Haven, archt. Noted July 22.

Conn., Thompsonville—School—Until Jan. 30, by School Bd., Town of Enfield, building 2 story, brick and steel addition to A. D. Higgins School, on North Main St., here. About $130,000. I. A. Allen, Jr., Inc., 904 Main St., Hartford, archt. Noted Dec. 2.

N. J., Boonton—School—Until Dec. 27, by Bd. Educ. building 2 story, brick and stone, concrete foundation, on Lathrop Ave. About $200,000. W. Potter, 22 East 17th St., New York City, archt. Noted July 29.

Va., Bristol—Dormitory—Until Jan. 3, by C. B. Kearfott, archt., Galloway Bldg., constructing 4 story, 40 x 120 ft. concrete and brick, for Virginia Intermont College. Cost between $75,000 and $85,000.

O., Cleveland—Bank—Cleveland Trust Co., c/o A. McCaslin, East 9th St. and Euclid Ave., receiving bids building 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 55th St. and Woodland Ave. About $100,000. G. P. Post & Son, Schofield Bldg., archts.

O., Cleveland—Bank—Guardian Savings & Trust Co., 623 Euclid Ave., receiving bids remodeling 1 story, marble and stone, on East 105th St. and Euclid Ave. About $75,000. Walker & Weeks, 1900 Euclid Ave., archts. Noted Jan. 29.

O., Cleveland—School—Until Jan. 10, by Bd. Educ., East 6th St. and Rockwell Ave., building 2 story, 20 room, rein.-con., brick and steel addition, rein.-con. flooring, brick foundation, on East 146th St. near Kinsman Rd. About $300,000. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

Ind., Evansville—Science Hall and Administration — Until Jan. 15, by Miller, Fullenwider & Dowling, archts., 6 North Michigan Blvd., Chicago, Ill., constructing 3 story, 70 x 120 ft. science hall, and 3 story, 70 x 174 ft. administration building, rein.-con., rein.-con. flooring, concrete foundations, Evansville College. About $250,000 and $350,000 respectively. Noted Dec. 9.

Ind., Valparaiso—Theatre and Store—Shauer & Son Co. receiving bids building 2 story, 90 x 140 ft., brick, rein.-con. flooring. About $100,000. H. L. Newhouse, 4630 Prairie Ave., Chicago, Ill., archt.

Ill., Anna—Nurses Home—E. D. Martin, state archt., Springfield, receiving bids building 2 story, 45 x 100 ft., concrete and brick, concrete foundation, for State Hospital, here. About $90,000.

Ill., Chicago—School—Worthman & Steinback, archts., 155 North Clark St., receiving bids building 1 story, 80 x 124 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Englewood and Halstead Sts., for Englewood Business Women's College, 6233 South Halstead St. About $100,000.

Ill., Chicago—Social Center—Until Dec. 31, by Chatten & Hammond, archts., 64 East Van Buren St., building 1 story, 70 x 370 ft. with 1 story, 35 x 90 ft. wing, rein.-con., rein.-con. flooring, concrete foundation, in Columbus Park, here, for West Chicago Park Comn., West Chicago. About $250,000.

Ill., Freeport—Theatre—Rapp & Rapp, archts., 190 North State St., Chicago, opens bids about Jan. 1, remodeling theatre at 75-79 Stephens St., here, for J. D. Dittman. About $130,000.

Wis., Gilmanton — High School — Until Jan. 28, by Secy. Bd. Educ., building 2 story, 85 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $100,000. E. J. Hancock, Lyric Bldg., Eau Claire, archt. and engr.

Neb., Hastings—Memorial Hall—Hastings College receiving bids building 3 and 4 story, 80 x 190 ft. rein.-con., brick and steel, concrete foundation. About $400,000. Miller-Fullenwider & Dawling, 6 North Michigan Blvd., Chicago, archts.

Cal., Pittsburg—Bank—Until Mar. 15, by B. G. McDougal, archt., 381 Bush St., San Francisco, building 1 story, 50 x 100 ft. rein.-con., on 4th St. and R.R. Ave., for Contra Costa County Bank. About $85,000. Noted Oct. 21.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Athol—Business—L. S. Starrett, 121 Crescent St., let contract building 2 story, 50 x 105 ft., concrete and brick, rein.-con. flooring, concrete foundation, on Main St., to L. E. Taylor, 521 Main St. About $75,000.

★Mass., Hyde Park (Boston P. O.) — Municipal — City let contract building 2 story, 75 x 165 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation, on Central Ave. and Winthrop St., to C. S. Cunningham & Sons Constr. Co., 80 Boylston St., Boston, $253,556. Noted Nov. 25.

★Conn., Hartford — School—Northwest School Dist. let contract building 2 story, concrete, brick and steel, rein.-con. flooring, concrete foundation, on Holcomb St., to Johnson-Webster Co., 159 Washington St., $182,504. Noted Dec. 9.

★Conn., Meriden — Bank — Home Natl. Bank, 16 Colony St., let contract building 1 and 4 story, brick, concrete and steel, rein.-con. flooring, concrete foundation, on Colony and Church Sts., to F. T. Ley & Co., Inc., 499 Main St., Springfield, Mass. About $350,000. Noted Sept. 30.

★Conn., Storrs (Eagleville P. O.) — Dormitory—Connecticut Agricultural College let contract building 3 story, 53 x 110 x 186 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on campus, to H. Wales Lines Co., 134 State St., Meriden. $248,850. Noted Nov. 25.

★N. Y., New York—Theatre—Victory Theatre will alter present brick and stone theatre, at 7412 13th Ave. About $75,000. Work will be done by day labor.

★Pa., Scranton—Theatre—Miles & Bondy, 1482 Bway., New York City, will build brick and stone, brick foundation, on Penn Ave. About $250,000. Work will be done by day labor. Noted June 10.

STEEL PIPE LINES AND RIVER CROSSING—SAGINAW, MICH.

Bids were received by City, Dec. 7, for construction of steel pipe lines and [illegible] crossing at Holland Ave., for connecting the distribution system, from (A) [illegible] Contg. Co., 50 Church St., New York (awarded contract); (B) W. J. Meagher, [illegible] City; (C) T. A. Scott, Inc., New London, Conn. The unit bids were as follows:

	A	B	C
11,000 cu.yd. preliminary dredging	$1 25		
8,000 cu.yd. deep dredging	0 37	$21,640	*
300 cu.yd. excavation below grade	0 50		
6,000 cu.yd. trench excavation	2 15		
800 cu.yd. tamping	0 50	1 00	
900 cu.yd. fill	0 25	1 00	
703 ft. double 24 in. river crossing, (lump sum)	33,857	34,536	42,[illegible]
345 ft. 30 in. river crossing, (lump sum)	10,796	9,798	17,[illegible]
2,440 ft. 36 in. steel pipe	34,439	47,414	51,[illegible]
1,150 ft. 30 in. steel pipe	12,238	17,580	20,[illegible]
65,120 lb. c. i. pipe and specials, furnished and placed, (lump sum)	9,309	8,421	8,[illegible]
Placing gates, (lump sum)	765	1,538	[illegible]
100 cu.yd. concrete in bags	2,500	200	[illegible]
500 cu.yd. in trench	12 00	20 00	16 [illegible]
100 cu.yd. all other concrete	15 00	40,00	38 [illegible]
5,000 lb. steel reinforcing	0 08	0 06	0 06
Supporting tracks, (lump sum)	3,600	1,500	4,[illegible]
Appurtenances, (lump sum)	1,500	1,265	1,[illegible]
Extended totals	$147,290	$179,693**	$214,[illegible]

*Lump sum bid.
** Alternative; all cast iron pipe, $182,195.

Federal Government Work (Continued)

★**Md., Baltimore**—School—St. Marys Industrial School, Wilken Ave., let contract building 3 story, 65 x 166 ft. stone, kompolite flooring, rock foundation, to J. J. Moylan, 538 North Calvert St. About $500,000.

★**D. C., Wash.**—School—Dist. Comrs. let contract building Woodridge-Langdon School, to W. E. Mooney, Evans Bldg., $165,111. Noted Dec. 2.

★**O., Cleveland**—Theater and Office—B. F. Keith Theater Co., 1564 Bway., New York City, let contract building 20 story, 130 x 180 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 17th St. and Euclid Ave., here, to Lundoff-Bicknell Co., 5716 Euclid Ave. About $3,000,000. Noted Dec. 2.

★**O., Elyria**—Theatre and Commercial—S. Jardis let contract building 1 story, 90 x 165 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Broad St., to J. Kaiser & Bros., Elyria Blk. About $100,000.

O., Lakewood (Cleveland P. O.)—High School—Bd. Educ., Warren Rd., received bids Dec. 13, building 2 story, 70 x 210 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Jackson Ave. and Clifton Blvd., from Drummond-Miller Co., 4500 Euclid Ave., Cleveland, $287,850; Tenbusch-Parker Constr. Co., 1836 Euclid Ave., Cleveland, $288,122; Witters Co., Canton, $290,500. Noted Nov. 25.

★**Ill., Chicago**—Store and Office—J. S. Jenkins, 4607 Magnolia Ave., let contract building 2 story, 45 x 118 ft., rein.-con. and steel, rein.-con. flooring, concrete foundation, on Wilson St. and Magnolia Ave., to A. Peterson, 4607 Magnolia Ave. About $90,000.

★**Ill., Chicago**—Temple—Masonic League let masonry contract for 4 story, 125 x 2[illegible] ft., rein.-con. and stone, at 6107 Cottage Grove Ave., to P. Olson Co., 19 South La Salle St.; carpentry, to A. Miller, 2911 North Sacramento Ave. Total cost, $750,000. Noted Nov. 11.

★**Ill., Dixon**—Hospital—State Dept., Pub. Wks. & Bldgs., Springfield, let contract building 2 hospitals, here, rein.-con., concrete foundations, to Simons-Dick, Bloomington. About $400,000.

★**Ill., Elgin**—Hospital—Illinois Dept. Pub. Wks. & Bldgs., Springfield, let contract building 2 story, 50 x 150 ft., with 2 wings each, 1 story, 30 x 100 ft., rein.-con. and brick, concrete foundations, here, to Great Lakes Constr. Co., 308 South Wabash St., Chicago. About $122,000.

★**Wis., West Allis** (Milwaukee P. O.)—High School—Bd. Educ. let contract building 3 story, rein.-con., brick and tile, to Kroening Constr. Co., West Allis, $431,539.

★**Wyo., Cheyenne**—Hospital—Bd. Trustee Memorial Hospital of Laramie Co., Masonic Temple, let contract building Frances Warren Pershing Memorial Hospital, 50 x 180 ft., to A. Allison, Cheyenne. About $300,000. Noted Oct. 21.

★**Mo., Kansas City**—Hospital—St. Lukes Hospital, 45th St. and Warnall Rd., let contract building 6 story, 40 x 190 ft., rein.-con. and brick, rein.-con. flooring, to Long Constr. Co., 600 Realto Bldg. About $450,000 plus percentage basis. Noted Sept. 9.

★**Tex., Cameron**—Church—First Methodist Episcopal Church let contract building 3 story, 60 x 112 ft., concrete, brick and steel, to J. E. Johnson Constr. Co., 203 Cameron Bldg., Waco. About $80,000.

Cal., Lancaster—High Schools—Trustees Antelope Valley Union High School Dist. received bids constructing 2 rein.-con. high schools here, from J. D. Sherer, Long Beach, $152,417; Edwards, Wildey & Dixon, 515 Black Bldg., Los Angeles, 160,620; J. Simpson & Co., 619 Iron Bldg., Los Angeles, $168,628.

Federal Government Work

PROPOSED WORK

Mass., South Boston (Boston P. O.)—Steam Locomotive Crane—Spec. 4263—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Nov. 10, installing 50 ton steam locomotive job crane at Naval Dry Dock, here. Noted Nov. 18.

BIDS DESIRED

N. Y., New York—Roofing—Spec. 4347—Until Jan. 5, by Bureau Yards & Docks, Navy Dept., Wash., D. C., roofing Building 120, at Navy Yard, here. Noted Dec. 16.

N. Y., S. I., Stapleton—Laundry—Until Jan. 6, by Treas. Dept., Wash., D. C., furnishing labor and certain material (except mechanical equipment) with certain materials furnishing by Government for constructing laundry building, at U. S. Marine Hospital, here. Separate bids will be received on mechanical equipment. J. A. Wetmore, supvr. archt.

D. C., Wash.—Paving, Ducts, etc.—Spec. 4236—Until Jan. 5, by Bureau Yards & Docks, Navy Dept., for paving, ducts, manholes, sewer and water lines, at Navy Yard, here. Noted June 24.

D. C., Wash.—Repairing Roof—Until Jan. 7, by Treas. Dept., repairing roof in Bureau Engraving and Printing. J. A. Wetmore, supervr. archt.

Va., Alexandria—Torpedo Storage Racks—Spec. 4111—Until Dec. 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building torpedo storage racks at torpedo assembling plant, here.

Va., Quantico—Buildings and Improvements—Spec. 4334—Until Jan. 5, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing and improving at Marine Base, here. Noted Nov. 11.

Tenn., Knoxville—Gallery—Until Jan. 5, by Treas. Dept., Wash., D. C., building in Post Office, here. J. A. Wetmore, supervr. archt.

Kan., Ft. Leavenworth—Buildings—Until Dec. 30, by H. Thurber, Q.M.C., furnishing labor and material required to remodel existing buildings 55, 214 to 219 inclusive and 228 to 233 inclusive, into officers quarters, etc.; advertised in this issue. Noted Oct. 7.

Neb., Alliance—Remodeling Post Office Screen—Until Jan. 10, by Treas. Dept., Wash., D. C., remodeling, here. J. A. Wetmore, acting supervr. archt.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

D. C., Wash.—Cement—Treas. Dept. received bids furnishing 750 bbl. cement for U. S. Pub. Health Serv. Hospital 32, from T. Michael, 27 New York Ave. N. E., $3,030; Natl. Mortar Co., Wash., $3,120; S. M. Frazer Co., 2 Nichols Ave., Anacostia, $3,157.

D. C., Wash.—Millwork—Treas. Dept. received bids for millwork at U. S. Pub. Health Serv. Hospital 32, from M. Wiegand, 451 Maryland Ave. S. W., $10,380; Washington Woodworking Co., 200 12th St. N. W., $14,065.

Ky., Covington — Alterations, Repairs, Plumbing, etc.—Treas. Dept., Wash., D. C., received bids Dec. 16, for alterations, etc., in Post Office, here, from J. M. Howk, 408 Madison Ave., $4,377 (105 days); D. Gordon Bldg. & Constr. Co., Burnet St. and Northern Ave., Avon, $5,000 (60 days); J. J. Creig, 20 West 9th St., $5,120 (5 months). Noted Nov. 25.

★**Ill., Bloomington** — Loading Shed — Treas. Dept., Wash., D. C., let contract installing, in Post Office, here, to G. Gildner, Bloomington, $1,274. Noted Nov. 18.

★**Ill., Chicago**—Mezzanine Floor—Treas. Dept., Wash., D. C., let contract building and repairing in Post Office, here, to Ford & Phillips Co., 723 South Wells St., $13,998. Noted Dec. 9.

★**Ill., Rockford** — Freight Elevator — Treas. Dept., Wash., D. C., let contract installing, in Post Office, here, to Otis Elevator Co., Metropolitan Bank Bldg., Wash., D. C., $5,775. Noted Dec. 9.

Tex., Port Arthur—Radio Building—Spec. 4238—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 15, constructing radio operation building and tower at Naval Radio Station, here, (1) work complete, from Hyde & Baxter, 1311 G St., N.W., Wash., D. C., (1) $6,558 (120 days), (2) add $200, (3) $8,950 (120 days), (4) $7,070 (120 days); W. F. Martens, 53 Franklin St., Rochester, N. Y., (1) $7,188 (100 days) (2) add $200 (10 days), (3) $9,699 (110-140 days); Regan Constr. Co., 2 East Lexington St., Baltimore, Md., (1) $9,988 (120 days), (2) $250, (3) $10,518 (120 days). Noted Nov. 25.

Miscellaneous

PROPOSED WORK

Pier—Portland, Me.—State Pier Comn., Augusta, having preliminary sketches prepared for pier with 1,000 ft. berth, wood piles, concrete deck, wood and steel shed. About $1,150,000. Fay, Spofford & Thorndike, 15 Beacon St., Boston, archts and engrs. Noted Jan. 22.

Flooring — Boston, Mass. — City having plans prepared by J. J. Murphy, engr., 33 Beacon St., for concrete and steel flooring, in Frog Pond, in Boston Common. About $18,000.

Greenhouses — Boston, Mass. — City having plans prepared by Haven & Hoyt, archts., 220 Devonshire St., for 2 or 3 greenhouses in Franklin Park. About $60,000.

Golf Course, Marlboro, Mass. — See "Buildings."

Parkway and Seawall—Winthrop, Mass.—Commonwealth of Massachusetts, Metropolitan Dist. Comn., Park Div., 18 Tremont St., Boston, plans parkway extension and seawall at Winthrop Park, to connect with Revere Beach Parkway. About $300,000. Private plans.

Seawall — Winthrop, Mass. — Commonwealth of Massachusetts, Metropolitan Dist. Comn. Park Div., 18 Tremont St., Boston plans to build stone and concrete seawall at Great Head, Massachusetts Bay, here. About $35,000. Private plans.

Pier—New York, N. Y.—M. Hulbert, comr. docks, Pier "A," ft. of Battery Pl., having sketches made for 2,500 ft. pleasure pier at Brighton Beach, here. About $2,000,000. Dodge & Morrison, 160 Pearl St., engr.

Piers, Bulkheads, etc.—Hoboken, N. J.—W. and A. Fletcher Co., 1301 Hudson St., plan to extend piers, improve bulkheads and make extensive alterations. About $100,000.

Improving Water Front, etc.—Newark, N. J. — City Comn. authorized issuance of $1,250,000 bonds to improve water front and deepen Newark Bay.

Piling, Ties, etc. — Detroit, Mich. — Dept. Pub. Wks. plans to purchase 500 pieces 30 ft. x 12 in. steel sheet piling, 2,000 ft. industrial track with ties, two 6 ton gasoline locomotives, 1 pile driving machine, concrete mixer, dumping buckets, hand tools, piping, etc. About $81,000. C. W. Hubbell, City Hall, engr.

Elimination of Grade Crossing — Hamtramck, Mich. — Village and Grand Trunk Ry., McGill St., Montreal, Que., plan to depress tracks and build overhead bridge on Jos. Campau Ave. to separate railroad from street and trolley car traffic. About $100,000. G. Jerome, 1329 Majestic Bldg., Detroit, engr.

Road Machinery — Balsam Lake, Wis. — Polk Co. voted $10,000 bonds to purchase road machinery, to include 2 screening plants and possibly 2 trucks. C. W. Nystrom, comr.

Road Machinery—Chippewa Falls, Wis.—Chippewa Co. appropriated $8,000 to purchase road machinery for 1921. P. O. Lokrantz, comr.

Road Machinery — Kewaunee, Wis. — Kewaunee Co. appropriated $6,800 to purchase road machinery. M. Shaw, Algoma, comr.

Road Machinery—Montello, Wis.—Marquette Co. voted $4,000 bonds to purchase road machinery for 1921. H. Schmitz, comr.

Road Machinery—Wausau, Wis.—Marathon Co. appropriated $10,000 to purchase road machinery. J. H. Vogt, comr.

Road Machinery — Whitehall, Wis. — Trempealeau Co. voted $10,000 bonds to purchase road machinery, to include 12 wheel scrapers. E. F. Rotering, Arcadia, comr.

Miscellaneous (Continued)

Playgrounds—Davenport, Ia.—City plans to build 10 additional playgrounds. R. E. Sowistowsky, city engr.

River Terminal Improvements — Minneapolis, Minn. — City authorized $350,000 bonds for river terminal improvements, including docks, levee, trackage, etc. F. W. Cappelen, city engr.

Dam—Rapid City, S. D.—City plans election to vote on $70,000 bonds to rebuild concrete dam at Canyon Lake.

Levee—Yuma, Ariz.—City voted $50,000 bonds to improve levee on east bank Colorado River.

Stadium—Spokane, Wash.—City plans to enlarge present stadium, to have 26,000 seating capacity. Work involves 15,000 cu. yd. concrete, 106,000 cu.yd. excav., etc. About $275,000.

Seawall — Sausalito, Cal. — City Trustees plan election to vote $40,000 bonds to build seawall along east front of town.

Dams—St. John, N. B.—E. A. Smith, chn. Water Power Comn. soon receives bids building storage dams on Musquash River. Cost to exceed $100,000.

BIDS DESIRED

Ferryboat—New York, N. Y.—Until Dec. 29, by G. A. Whalen, comr. Plant & Structures, Municipal Bldg., building steel screw ferryboat.

Coal Conveyor—New York, N. Y.—Until Dec. 28, by Dept. Pub. Welfare, Municipal Bldg., furnishing and erecting coal conveyor in power house at Sea View Hospital, Richmond Boro. B. S. Coler, comr.

Lighting System—Jersey City, N. J.—Until Dec. 28, by Blvd. Comn., rebuilding lighting system on Hudson Co. Blvd. Cost to exceed $75,000.

Coal and Ash Equipment — Milwaukee, Wis. — Until Dec. 30, by Bd. Industrial Educ., Manufacturers Home Bldg., furnishing and installing coal and ash handling equipment, automatic coal scales and steel bunkers for continuation school. Cahill & Douglas, 217 West Water St., engrs. Noted April 29.

Wharf—Summerville, N. S.—Until Jan. 7, by Dept. Pub. Wks., Ottawa, repairing public wharf, here, round timber and stone fill. About $18,000. E. Lafleur, c/o Dept. Pub. Wks., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Piers and Bulkheads—College Point, N. Y.—Red Star Towing Line let contract building few small piers and bulkheads, to Robbins-Ripley Co., 50 Church St., New York City. About $55,000.

★Pavilion — Baltimore, Md. — Bd. Park Comrs., Madison Ave., let contract building 1 story, 67 x 135 ft. concrete and terra cotta pavilion, at Clifton Park, to Hick, Tase & Morris Inc., 106 West Madison St., $49,450.

★Heating and Plumbing System — Dayton, O.—City Comrs. let contract installing heating and plumbing system in buildings on city workhouse farm to W. Haas Plumbing Co., 429 East 3d St., $29,875.

★Granite Blocks—Detroit, Mich.—City let contract furnishing 230,000 granite blocks, to Wisconsin Granite Co., 133 West Washington St., Chicago, $107 per 1,000, total cost, $23,610.

★Hydrants, etc. — Detroit, Mich. — Fire Comn. let contract furnishing f.o.b. Detroit, 300 double nozzle steamer fire hydrants and 300 ft. 6 in. water gates, to Russell Wheel & Fdry. Co., Chene St. and Belt Line Ry., $135 and $31.50 respectively, total cost $49,950.

Ties, Cable, etc.—Detroit, Mich.—Street Ry. Comn., Murphy Bldg., let contracts furnishing 8,800 twin steel ties, to International Steel Tie Co., 16702 Waterloo Rd., Cleveland, O., $8.45 each, total $74,360; 30 mi. of .365 in. hard drawn trolley wire, to Detroit Copper & Brass Rolling Mills Co., Clark Ave. and Wabash Ry., $16.625 per cwt.; 5,000 ft. 1,000,000 C. M. bare stranded copper cable, 61 strands, and 2,500 ft. of 500,000 C. M. 37 stranded, to Standard Underground Cable Co., 1444 David Whitney Bldg., $18.28 per cwt.

Paving Materials — Minneapolis, Minn. — City received bids furnishing 90,000 sq.yd. 3½ in. yellow pine creosoted paving blocks, from Midland Creosoting Co., 511 Plymouth Bldg., $2.84½ per sq.yd. Rodd Co., Century Bldg., Pittsburgh, Pa., $3.85; Indiana Zinc Creosoting Co., 111 West Washington St., Chicago, $2.98; 125,000 vitr. paving brick, from Perrington Paving Brick Co., Galesburg, Ill., $42.35 per M, R. R. Colburn, 1212 Builders Exch. Bldg., $44.10. Streator Clay Mfg. Co., 713 Guardian Life Bldg., St. Paul, $44.32; 1,770 tons asphaltic cement, (1) tank cars, (2) packages, from Asphalt Sales Corp., 128 North Wells St., Chicago, (1) $27.15, (2) $36.95, Standard Oil Co., Constable Hook, N. J., (1) $32.50, (2) $40, Minnesota Rd. Equipment Co., 708 Plymouth Bldg., (1) $28.35, (2) $37.35; 2,900 tons refined tar, from Barrett Co., 1 19th Ave. S., Nos. 4 and 5, $0.11 per gal., delivered on street, $0.135, No. 6, $0.145 per gal., delivered, $0.165; 1,000 tons paving pitch, from Barrett Co., 1 19th Ave. S., $23.70 per ton; 55,000 bbl. Portland Cement from Minneapolis Builders Supply Co., 315 Lumber Exch., $2.76, Thompson Yards, Inc., 1645 Hennepin Ave., $2.82. P. G. Speakes & Co., 2845 47th Ave. S., $3.76.

★Dams—St. John, N. B.—Water Power Comn. let contract building concrete dams on Musquash River, 12 mi. west of here, to New Brunswick Constr. Co., St. John. About $248,000.

Applications before the Federal Power Commission, Washington, D. C., from November 20 up to and including November 27.

95. Utica Mining Co., 1128 Merchants Exchange Bldg., San Francisco, Cal.. License for power development on Stanislaus River.

96. San Joaquin Light & Power Corp., Fresno, Cal. License for dam, reservoir, conduit, power house, and transmission line, San Joaquin River, Fresno and Madera Counties, Cal., for public utility.

97. Nevada California Power Co., c/o W. L. Huber, First National Bank Bldg., San Francisco, Cal. License for two conduits diverting Warren Creek and Slate Creek into Leevining Creek; two dams and power houses on Leevining Creek, Mono County, Mono National Forest, Cal. On Bishop Creek, near Bishop, Inyo County, Cal., in the Inyo National Forest and 60 mi. from the Leevining Creek projects are two projects, Plant A and Plant No. 1, for public utility.

98. City of Los Angeles, Department of Public Service, 603 Knickerbocker Bldg., Los Angeles, Cal. Preliminary permit for five dams and reservoirs with tunnels and conduits leading to four power houses on the South and Middle Forks and on Kings River, Fresno County, Cal., for public utility.

99. Western States Gas & Electric Co., H. M. Byllesby, Engineers and Managers, Stockton, Cal. License for conduit, power house, and transmission line, Trinity National Forest, in Trinity and Humboldt Counties, Cal., for public utility.

100. Flathead Valley Electric Co., Old National Bank Bldg., Spokane, Wash. License for small dam at lake outlet, use tunnel dug by U. S. R. S. power house, and transmission lines. Flathead River at Lake outlet, Flathead County, Mont., for public utility.

101. Catawba Valley Light & Power Co., c/o H. L. Millner, Morganton, N. C., preliminary permit for dam, conduit, power house, and transmission lines, Wilson Creek, Caldwell County, N. C.

102. San Joaquin Light & Power Corp., Fresno, Cal. Preliminary permit for dams, reservoirs, diversion conduits, and power house on North Fork, Kings River, Fresno County, Cal., for public utility.

103. Frank B. Pattee, Samuel Bernhard, and J. T. Ross, c/o Edward R. Solinsky, Call Bldg., San Francisco, Cal. Preliminary permit for dam, reservoir, 11½-mi. conduit, power house, and 100-mi. transmission line. North Fork, Stanislaus River, T. 6 N., R. 16 E., to T. 5 N., R. 15 E., M. D. M., Calaveras and Tuolumne Counties, Cal.

104. Home Colony, (An Association of Citizens), L. R. Ewart, President, Cody, Wyo. License for small plank dam, 400-ft. conduit, and small power house, Kitty Creek, Park County, Wyo., for small community.

105. Southern California Edison Co., c/o G. C. Ward, Edison Bldg., Los Angeles, Cal. Preliminary permit for seven dams and reservoirs, six diversion dams, twelve conduits, and five power houses in headwaters of San Joaquin River in general area, T. 4 S., to T. 9 S., and R.23 E., to R. 28 E., Madera and Fresno Counties, Cal., for public utility.

106. Mrs. Nellie P. Bean, care of Cotton & Wilson, Post Building, Idaho Falls, Idaho. Preliminary permit for dam 9 ft. high, 10-ft. wooden pipe-line to power house. On Warm River between Mesa and Warm River, Fremont County, Idaho, for public utility.

107. Butte-Jardine Metals Mines Co., care of Charles R. Leonard, Butte, Mont. License for transmission line across part of Deer Lodge National Forest, T. 6 N., R. 8 to 9 W., Deer Lodge County, Mont., to furnish power to Company's mine.

108. Wisconsin-Minnesota Light & Power Co., care of Charles McPherson, 1107 Grand Rapids Savings Bldg., Grand Rapids, Mich. License for dam and reservoir at Forks of Chippewa River, Sawyer County, Wis., for public utility.

109. Joseph B. Leighton, Miles City, Mont. Preliminary permit for diversion dam, conduit, and power house, Yellowstone River, at Buffalo Rapids, near Miles City, Mont., for public utility.

110. Southern California Edison Co., Edison Bldg., Los Angeles, Cal. License for five dams, four reservoirs and conduits, two power houses on headwaters South Fork San Joaquin River, Fresno County, Cal., for public utility.

111. Southern California Edison Co., Edison Bld., Los Angeles, Cal. Preliminary permit for high dam and large storage reservoir near Lee Ferry, Col. River — Three power developments as follows: From Marble Canyon Unit Dam to Point near Mouth of Little Col. River, about 1,240,000 hp.; bright Angel Unit, from mouth of little Col. River to Kanat Creek, a distance of 85 mi., about 1,090,000 hp.; Diamond Creek Unit; from Knab Creek to Western Boundary of Ariz. a dist. of 45 mi., about 1,240,000 hp. for public utility in eight Western states.

112. City of Everett, W. H. Clay, Mayor, Everett, Snolionish Co., Wash. Preliminary permit for diversion dam and tunnel to carry 500 c.f.s. from Sultan River to Lake Chaplain, used as storage reservoir, 84 in. conduit from Lake Champlain to power house on Sultan River, in general locality T 28 NR 8R—Snolionish Co., Wash., for public utility.

113. Great Basin Power Co., Walker Bank Bldg., Salt Lake City, Utah. Preliminary permit for dam and reservoir, north Fork, Duchesne River in Sect. 22, 23, 26, and 27, T 2 N, R. 9W Uintah. Special Base and Meridian conduit, to power house in Sect. 19 T. IN R 8W Diversions of West Fork Duchesne River and Wolf Creek by conduit to same power house for public utility.

114. Mt. McKinley Gold Placers, Tanana, Alaska. Preliminary permit for power development on McKinley River, Wonder Lake, Kantishna Mining District, Alaska, for mining purposes.

115. W. H. H. Stineman and Alfred H. Quick, Gunther Bldg., Baltimore, Md. Preliminary permit for dam at High Island above Chain Bridge and at Plummer Island, 4 mi. below Great Falls on Potomac River, D. C., for public utility.

116. Southern Sierras Power, care of W. L. Huber, First National Bank Bldg., San Francisco, Cal. License for diversion dam, conduit, and power house, Owens River, T. 5S., R. 31 E., M.D.M., Mono County, Cal. for public utility.

117. Southern Sierras Power Co., care of W. L. Huber, First National Bank Bldg., San Francisco, Cal. License for transmission line from power house described in Project No. 116, for distance of 9 mi., to connect with existing transmission system of applicant, at point in Inyo County, Cal., for public utility.

118. Lloyd E. Gandy, 803 Sherwood Bldg., Spokane, Wash. Preliminary permit for dam, reservoir, and power house, Spokane River at Fort George Wright, Wash.

119. Frank L. Ballaine, care of James A. Haight, 702 Haight Bldg., Seattle, Wash. Preliminary permit for diversion dam, 11-mi. conduit with two power houses, one at point 6½ mi. below dam, and second 4½ mi. below first. On Kenai River above Skilak Lake in Chugach National Forest, 38 mi. from Seward, Alaska, for pulp and paper mill and public utility.

120. Southern California Edison Co., Edison Bldg., Los Angeles, Cal. Preliminary permit for dam, conduit, and power house on San Joaquin River below mouth of Big Creek, Fresno County, Cal., for public utility.

121. James B. Girand, care of Parsons, Klapp, Brinckerhoff & Douglas, 84 Pine St., New York City, N. Y. License for power development in Colorado River, at Diamond Creek, Ariz., for railroad electrification and public utility.